



Syllabus, academic year 2020/2021

Description of the course

Course Name:	Practical Clinical Teaching – chosen specialty: Internal medicine	Group of detailed education results	
		Group code (E or F): E	Group name: Non-interventional clinical sciences
Faculty	Medicine		
Major	Medicine		
Unit responsible	Department of Heart Diseases		
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
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 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)	Simulated	Conditions Practical	Classes with Patient (PCP)	master studies	language	Education obligatory	Vocational	Practice (VP)	(Student's own work)	E-learning (EL)

Winter semester:

Not applicable						Not applicable												
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Summer semester:

Department of Heart Diseases						180											90	
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Total per year:

Department of Heart Diseases						180											90	
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Educational objectives: (max. 6 items)

- C1. To acquire the knowledge of taking history and performing physical examination in adult patient.
- C2. To acquire the knowledge of the symptomatology of cardiovascular, hormonal, haematological, occupational and rheumatoid disorders in adult patients.
- C3. To develop the skills of interpretation of abnormalities found on additional tests, particularly in cardiovascular diseases.
- C4. To develop the ability to perform differential diagnosis in adult patients.
- C5. To know the rules of the contemporary treatment regiments of internal diseases, particularly in cardiovascular disorders.

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.S1	Skills of taking directed medical history of adult patient	Oral response and discussion	CC
S 02	E.S3	Skills of conducting complete physical examination of adult patient	Oral response and discussion	CC



S 03	E.S16	Ability to plan the diagnostic, therapeutic and preventive procedures	Oral response and discussion	CC
S 04	E.S24	Ability to interpret the results of laboratory tests and identify the causes of abnormalities	Oral response and discussion	CC
S 05	E.S29	Performs basic treatment procedures	Oral response and discussion	CC
S 06	E.S38	Conducts medical records of the patient	Oral response and discussion	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.

1. Contact hours	180
2. E-learning	0
3. Student's own work:	90
4. Total student's workload	270
ECTS points for course	12,0
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

Classes

1. Physical examination of the patient, particularly of cardiovascular system.
2. Laboratory parameters in internal diseases, particularly in cardiovascular disorders.
3. Imaging techniques in cardiology.
4. Drugs used in cardiology.
5. Mitral regurgitation. STEMI. Coronary angiography and PCI. ECG – 10 cases.
6. Advanced life support. ECG – 10 cases.
7. Mitral stenosis. Bradyarrhythmias and conductance disturbances. ECG – 10 cases.
8. NSTEMI. Unstable angina. ECG – 10 cases.
9. Aortic regurgitation. SVT. AF/AFL. Prophylaxis of arterial and venous trombotic events. ECG – 10 cases.
10. Aortic stenosis. VT. Sudden cardiac death. Stable angina pectoris.
11. Blood pressure measuring. Arterial hypertension. ECG – 10 cases.
12. Electrophysiology study, Holter- ECG. PM + CRT + ICD.
13. Prevention of cardiovascular diseases.
14. Chronic heart failure. Cardiopulmonary exercise test. Heart transplantation.
15. Acute heart failure (including pulmonary oedema, cardiogenic shock, right ventricular failure, hyperkinetic heart failure).
16. Infective endocarditis. Pericarditis. Cardiac tamponade.
17. Pulmonary embolism and vein trombosis. Prophylaxis of arterial and venous trombotic events.
18. Pulmonary hypertension. Congenital heart diseases. Cardiac tumours.

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 for the credit:
Very good (5,0)	Result of the practical skills test 91-100%
Above good (4,5)	Result of the practical skills test 81-90%
Good (4,0)	Result of the practical skills test 71-80%
Sufficiently good (3,5)	Result of the practical skills test 61-70%
Sufficient (3,0)	Result of the practical skills test 51-60%
Grade:	Criteria for the exam:
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 Heart Diseases, Wroclaw Medical University
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Phone	71 7331112
E-mail	aleksandra.erbert@umed.wroc.pl

Person responsible for course:	Dr hab. n. med. Piotr Kübler, Dr n. med. Piotr Niewiński
Phone	71 7331112
E-mail	piotr.niewinski@umed.wroc.pl

<i>List of persons conducting specific classes:</i>	<i>degree/scientific or professional title</i>	<i>Discipline</i>	<i>Performer profession</i>	<i>Form of classes</i>
Piotr Kübler	Assistant Professor	Internal diseases, cardiology	doctor	CC
Jan Biegus	Assistant Professor	Internal diseases, cardiology	doctor	CC
Robert Zymlński	Assistant Professor	Internal diseases, cardiology	doctor	CC
Piotr Niewiński	MD, PhD	Internal diseases, cardiology	doctor	CC
Krystian Josiak	MD, PhD	Internal diseases, cardiology	doctor	CC
Wojciech Zimoch	MD, PhD	Internal diseases, cardiology	doctor	CC
Stanisław Tubek	MD, PhD	Internal diseases, cardiology	doctor	CC
Krzysztof Nowak	MD, PhD	Internal diseases, cardiology	doctor	CC
Michał Kosowski	MD	Internal diseases, cardiology	doctor	CC
Brunon Tomaszewicz	MD	Internal diseases, cardiology	doctor	CC



Michał Tkaczyszyn	MD	Internal diseases, cardiology	doctor	CC
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Date of Syllabus development

18.11.2020.

Syllabus developer by

Piotr Niewiński

Signature of Faculty Dean

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Wrocław Medical University
Faculty of Medicine
Vice-Dean for Quality Studies

prof. Beata Sobieszczanska, PhD

Signature of Head of teaching unit

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Uniwersytet Medyczny we Wrocławiu
Wydział Nauk o Zdrowiu
KATEDRA CHOROBY SERCA
KLINIKA CHOROBY SERCA
Kierownik

prof. dr hab. med. Piotr Ponikowski