



Syllabus, academic year 2018/2019

Description of the course

Course Name:	Practical Clinical Teaching – chosen specialty: pediatrics	Group of detailed education results	
		Group code (E or F): E	Group name: Clinical nonsurgical
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 X 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)	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)
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Winter semester:

Not applicable					Not applicable									
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Summer semester:

Clinic of Paediatrics, Allergology and Cardiology					180									
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Total per year:

Clinic of Paediatrics, Allergology and Cardiology					180									
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Educational objectives: (max. 6 items)

- C1. Ability to perform in vivo and in vitro diagnostic tests of allergic diseases.  
 C.2 - Characteristics of major allergens, allergens hidden meaning, types and importance of cross-reactions.  
 C.3 - Principles of performance and interpretation of lung function tests (spirometry, pulse Oscillometry)  
 C.4 - Understanding the basics of theoretical and practical aspects of aerosoles in respiratory diseases  
 C.5 - Improving the physical examination of the cardiovascular system, the correct way to measure important parameters of life; performing and describing the ECG  
 C.6 - Rules and exercise, practical information to perform basic screening with echocardiography.

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	EU20	Qualifies the patient for home treatment and hospital	Active participation in classes and test of practical skills	CC
S 02	EU24	Interprets laboratory tests and identifies the causes of deviations	Active participation in classes and test of practical skills	CC
S 03	EU28	Gets research material used in laboratory diagnostics	Active participation in classes and test of practical skills	CC
S 04	EU29	Performs basic medical procedures and treatments, including body temperature, heart rate measurement, non-invasive measurement of blood pressure; monitoring of vital signs	Active participation in classes and test of practical skills	CC



		using a cardio-monitor, pulse oximetry; spirometry, oxygen therapy, assisted ventilation and replacement; Downloads swabs from the nose, throat and skin; standard electrocardiogram test, along with the interpretation		
<b>S 05</b>	<b>EU30</b>	Assists in carrying out the following procedures : tests epidermal, intradermal tests and scarification tests and interpret their results	Active participation in classes and test of practical skills	CC
<b>S06</b>	<b>EU32</b>	Plans specialist consultations	Active participation in classes and test of practical skills	CC
<b>S07</b>	<b>EU38</b>	Conducts medical records of the patient	Active participation in classes and test of practical skills	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:	<b>180</b>
2. Student's own work (self-study):	<b>90</b>
Total student's workload	<b>270</b>
<b>ECTS points for course</b>	<b>10,0</b>
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)

Classes are conducted within the two branches of the Department. If possible, include student self-care for one or more patients. A significant emphasis of the course will be placed on developing skills of independent draw conclusions. An important element of the exercise in the Department of Clinical Pediatrics and Allergology will familiarize participants with the role of allergens in causing the symptoms of allergic diseases. Special consideration should be the clinical relevance of the individual allergens to help students understand that not every allergen is equally important in the pathogenesis and clinical significance is unequal. Participants within the Clinical Department of Cardiology will improve physical examination of the cardiovascular system, perform and describe the EKG, become familiar with the general principles describe ECG and RR and to make known the principles and improve the skills to perform basic projection, image analysis, the study echocardiography, as well as practical exercise and pre-analyze the results of the stress tests.

**Lectures – not applicable**

**Seminars – not applicable**

**Classes**

- 1 A detailed discussion of the role of different allergens and their meaning - introduction to the subject.
2. Allergens of animals (cat, dog, rodents, mosquitoes, horses, birds), perennial allergens (mites, house dust, molds outside the home, inside the home, cockroach, feathers, wool), drug allergens (antibiotics, analgesics, analgesics, ointments, drops), hymenoptera allergens (wasp, bee, hornet, mosquito, ant), pollen allergens (flowers, pollen of trees, grasses, weeds, herbs), food allergens (milk, eggs, citrus fruits, strawberries, nuts hazelnuts, peanuts, fish, meat, etc.).
3. Respiratory function tests (spirometry, Oscillometry, provocation - rules for the implementation and interpretation of research)
4. Aerosolotherapy in respiratory diseases (theoretical basis and practical aspects)
5. Molecular diagnostics of allergic diseases
6. Improving the physical examination of the cardiovascular system (silhouette and waist heart study by palpation-search the heart apex beat, the pulse search to TT. Radial, femoral, iliac)
7. The right way to measure important parameters of life (RR measurement, pulse measurement, pulse -oximetry)
8. Making and describing ECG (diversity in children)
9. Establishment and general principles for describing diagnostic assays (test Holter ECG, RR)
10. Function tests (stress test, tilt test) - practical application and preliminary analysis of the results.
11. Echocardiography - principles of exercise, practical information, the ability to perform basic projection. Common image analysis.

**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)	Very good answers to the theoretical questions and positive resolve diagnostic and therapeutic problems
Good Plus (4.5)	Good answers to the theoretical questions and positive resolve diagnostic and therapeutic problems
Good (4.0)	Good answers to the greater part of the questions and rewarding solving of the diagnostic problems
Satisfactory Plus (3.5)	Week answers to the greater part of the questions and lack of the independent problems solving
Satisfactory (3.0)	Lack of the correct answers to the greater part of the questions and significant troubles with diagnostic problems

<b>Name of unit teaching course:</b>	<b>1st Department of Pediatrics, Allergology and Cardiology</b>
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<b>Person responsible for course:</b>	<b>Professor Andrzej Boznański. MD, PhD</b>
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List of persons conducting specific classes:	degree/scientific or professional title	Discipline	Performer profession	Form of classes
Barbara Sozańska	MD, PhD	Pediatrics, allergology	physician; u.t.	CC
Anna Dębińska	MD, PhD	Pediatrics, allergology	physician; u.t.	CC
Hanna Danielewicz	MD, PhD	Pediatrics, allergology	physician; u.t.	CC
Wanda Balińska -Miśkiewicz	MD, PhD	Pediatrics, allergology	physician; u.t.	CC
Marek Wasicionek	MD, PhD	Pediatrics, cardiology	physician; u.t.	CC
Ewa Masłowska	MD, PhD	Pediatrics, cardiology	physician; u.t.	CC

**Date of Syllabus development**

20.06.2018 r.

**Syllabus developer by**

**Signature of Faculty Dean**

Wrocław Medical University  
FACULTY OF MEDICINE  
VICE-DEAN FOR STUDIES IN ENGLISH  
Prof. Andrzej Boznański, PhD

Signature of Head of teaching unit  
I KATEDRA I KLINIKA PEDIATRII,  
ALERGOLOGII I KARDIOLOGII  
Kierownik  
prof. dr hab. Andrzej Boznański