



Syllabus for academic year: 2021/2022 Training cycle: 2019/2020 – 2024/2025													
Description of the course													
Module/Course	Diagnostic of hypersensitivity reactions										Group of detailed education results		
											Group code: C	Group name: Preclinical Course	
Faculty	Faculty of Medicine												
Major	medicine												
Level of studies	<input checked="" type="checkbox"/> uniform magister studies <input type="checkbox"/> 1 <sup>st</sup> degree studies <input type="checkbox"/> 2 <sup>nd</sup> degree studies <input type="checkbox"/> 3 <sup>rd</sup> degree studies <input type="checkbox"/> postgraduate studies												
Form of studies	<input checked="" type="checkbox"/> full-time <input type="checkbox"/> part-time												
Year of studies	III-IV						Semester	<input type="checkbox"/> Winter <input checked="" type="checkbox"/> Summer					
Type of course	<input type="checkbox"/> obligatory <input type="checkbox"/> limited choice <input checked="" type="checkbox"/> free choice / optional												
Course	<input type="checkbox"/> major <input checked="" type="checkbox"/> basic												
Language of instruction	<input type="checkbox"/> Polish <input checked="" type="checkbox"/> English <input type="checkbox"/> other												
Number of hours													
Form of education													
	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)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self-Study (DSS)	E-learning (EL)
<b>Winter semester: 0</b>													
..... (Dep. in charge of the course)													
Direct (contact) education <sup>1</sup>													
Distance learning <sup>2</sup>													
<b>Summer semester: 20</b>													
Clinical Immunology Department		20											
Direct (contact) education <sup>1</sup>													

<sup>1</sup> Education conducted with direct participation of university teachers or other academics

<sup>2</sup> Education with applied methods and techniques for distance learning



Distance learning <sup>1</sup>													
<b>TOTAL per year: 20</b>													
Clinical Immunology Department		20											
Direct (contact) education <sup>1</sup>													
Distance learning <sup>2</sup>													
<b>Educational objectives</b> (max. 6 items) <b>C1.</b> Understanding the current diagnostic methods as well as emerging therapies of immune-mediated diseases related to the hypersensitivity reactions type I-IV by Gell and Coombs, that will find clinical application in various medical specialties in the near future. The course will be focused on approaches which are currently elaborated in research laboratories and/ or are in the clinical trials.													
<b>Education result matrix for module/course in relation to verification methods of the intended education result and the type of class</b>													
Number of detailed education result	Student who completes the course knows/is able to						Methods of verification of intended education results				Form of didactic class <i>**enter the abbreviation</i>		
C.W23.	Describes the pathomechanisms of hypersensitivity-mediated diseases						MCQ test				SE		
C.U8.	Indicate the assays useful in the immune-mediated disease assessment. Perform skin tests. Correctly interpret results of the skin tests used in the diagnosis of allergy						Observe preformation of the tests, perform selected test on its own, interpret results on its own				SE		
** 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 .													
<b>Student's amount of work (balance of ECTS points)</b>													
<b>Student's workload</b> (class participation, activity, preparation, etc.)										<b>Student Workload (h)</b>			
1. Number of hours of direct contact:										20			
2. Number of hours of distance learning:													
3. Number of hours of student's own work:										6			
4. Number of hours of directed self-study										n/a			
Total student's workload										26			
<b>ECTS points for module/course</b>										<b>1,0</b>			
<b>Content of classes</b> (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)													
<b>Seminars (6 meetings x 3h + one meeting 2h)</b> 1. An overview of recent reports in immunology - the mechanisms of resistance and tolerance. (3h) 2. Flow cytometry applications used in diagnostics of hypersensitivities and autoimmunities. (3h) 3. The use of allergen provocation tests in the diagnosis of inhalation allergies. (3h) 4. Precision allergy medicine diagnosis. (3h) 5. Adverse reactions to food. (3h) 6. Contact hypersensitivities reactions diagnostics in vitro and in vivo. (3h) 7. Written test and discussion. (2h)													
<b>Basic literature</b> (list according to importance, no more than 3 items) 1. D. Male, J. Brostoff, D. Roth & I. Roitt: <b>"Immunology"</b> , 8 <sup>th</sup> Edition, Elsevier, 2013. 2. K. Abbas, A. H. Lichtman, S. Pillai: <b>"Cellular and Molecular Immunology"</b> ; 6 <sup>th</sup> Edition, Elsevier,													



2012.	
3. M. Peakman, D. Vergani: <b>“Basic and Clinical Immunology”</b> ; 2 <sup>nd</sup> edition, Elsevier – Churchill Livingstone, 2009 Nature reviews. Immunology. Nature New York, London.	
Additional literature and other materials (no more than 3 items)	
4. <b>“Nature reviews. Immunology. Nature”</b> New York, London	
5. <b>“Allergy: European Journal of Allergy and Clinical Immunology”</b> ; Wiley Blackwell, Journal of Allergy and Clinical Immunology. Elsevier.	
Preliminary conditions (minimum requirements to be met by the student before starting the module/course)	
Credited courses: Anatomy, Histology with Cytology, Physiology (years I and II) on the level of 3 <sup>rd</sup> year ED students requirements.	
Conditions to receive credit for the course (specify the form, criteria 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).	
<ul style="list-style-type: none"> <li>▪ Each absence must be made up, including rector’s days or dean’s hours.</li> <li>▪ Self-performance, read-out and interpretation of skin test and laboratory tests. Activity during discussions.</li> <li>▪ Attendance at classes. Absence crediting possible maximally for 2 classes (crediting possible during consultation hours with the teacher who lead the class).</li> <li>▪ Fulfillment of homework and written <b>final test (15 questions, MCQ test type A, 1 verstraktor + 4 distractors)</b></li> <li>▪ In the case of rector’s/deans hours/days, student is obliged to prepare a presentation on a specified topic (after consultation with the teacher).</li> </ul>	
Grade:	Criteria for courses ending with a grade <sup>3</sup>
Very Good (5.0)	15 points from test (100%)
Good Plus (4.5)	13-14 points from test (86,6-93,3%)
Good (4.0)	11-12 points from test (73,3-80%)
Satisfactory Plus (3.5)	10 points from test (66,6%)
Satisfactory (3.0)	9 points from test (60%)
Grade:	Criteria for exam <sup>3</sup>
Very Good (5.0)	
Good Plus (4.5)	
Good (4.0)	
Satisfactory Plus (3.5)	
Satisfactory (3.0)	

<b>Name of unit teaching course:</b>	Department of Clinical Immunology
Address	ul. Chałubińskiego 5, 50-368 Wrocław
Phone	71 784 1740
E-mail	<a href="mailto:agnieszka.czerniawska@umed.wroc.pl">agnieszka.czerniawska@umed.wroc.pl</a>

<b>Person responsible for course:</b>	dr Magdalena Zemelka-Wiącek
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E-mail	<a href="mailto:magdalena.zemelka-wiacek@umw.edu.pl">magdalena.zemelka-wiacek@umw.edu.pl</a>

<sup>3</sup> The verification must cover all education results, which are realize in all form of classes within the course



<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>
<b>Paweł Gajdanowicz</b>	PhD	Medical science	adiunct	SE
<b>Ewa Wyrodek</b>	PhD		lectruer	SE
<b>Anna Kosowska</b>	MD	Medical science	asistent	SE
<b>Magdalena Zemelka-Wiącek</b>	PhD	Medical science	adiunct	SE
<b>Sylwia Smolińska</b>	PhD	Medical science	adiunct	SE
<b>Marek Jutel</b>	Prof, MD	Medical science	director	SE

**Date of Syllabus development**

**29.06.2021**

**Syllabus developed by**

Magdalena Zemelka-Wiącek, Phd  
Course Coordinator for the ED Students  
Department of Clinical Immunology

**Signature of Head of teaching unit**

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**Signature of Faculty Dean**

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