

## DESCRIPTION OF THE COURSE OF STUDY

<b>Course code</b>	0912-7LEK-F36-A	
<b>Name of the course in</b>	Polish	<i>Alergologia</i>
	English	<i>Allergology</i>

### 1. LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES

<b>1.1. Field of study</b>	Medicine
<b>1.2. Mode of study</b>	Full-time
<b>1.3. Level of study</b>	Uniform Master's studies
<b>1.4. Profile of study*</b>	Practical
<b>1.5. Person preparing the course description</b>	Cezary Palczynski, Piotr Lacwik
<b>1.6. Contact</b>	cezary.palczynski@ujk.edu.pl

### 2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

<b>2.1. Language of instruction</b>	English
<b>2.2. Prerequisites*</b>	Knowledge of human anatomy, physiology and pathophysiology at the medical university level; Basic immunology and pharmacology

### 3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

<b>3.1. Form of classes</b>	Lecture 10 /classes 15	
<b>3.2. Place of classes</b>	Lecture- classes in the teaching rooms of JKU Classes– Department of Allergology	
<b>3.3. Form of assessment</b>	Credit with grade	
<b>3.4. Teaching methods</b>	Seminar, lecture, discussion, case study in natural conditions	
<b>3.5. Bibliography</b>	<b>Required reading</b>	<b>McMaster Textbook of Internal Medicine, Medycyna Praktyczna, Kraków 2020</b>
	<b>Further reading</b>	GINA Global Strategy for Asthma Management and Prevention, Updated 2020, <a href="https://ginasthma.org/">https://ginasthma.org/</a> Guidelines from the European Academy of Allergy and Clinical Immunology, <a href="https://medialibrary.eaaci.org/">https://medialibrary.eaaci.org/</a>

### 4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED LEARNING OUTCOMES

<p><b>4.1. Course objectives (including form of classes)</b></p> <p>C1. Knowledge of allergic diseases in all age groups C2 Preparation for practical work in allergology department, ability to diagnose allergic diseases C3 Modelling appropriate physician's attitude towards patients with allergic diseases.</p>
<p><b>4.2. Detailed syllabus (including form of classes)</b></p> <p>Lecture</p> <ol style="list-style-type: none"> <li>1. Basics of human anatomy, physiology and pathophysiology. 1h</li> <li>2. Global history of allergology 0,5h</li> <li>3. Allergens and pathomechanisms of allergic diseases 1h</li> <li>4. Diagnostic methods in allergology: skin testing, specific IgE testing, spirometry, provocation tests 2h</li> <li>5. Allergic diseases of the respiratory tract: Allergic rhinitis, Allergic asthma 2h</li> <li>6. Ocular allergy 0,5h</li> <li>7. Skin allergy: Urticaria, angioedema, atopic dermatitis, contact dermatitis 2h</li> <li>8. Food allergy 2h</li> <li>9. Systemic allergic reactions: anaphylaxis, latex allergy, venom allergy, food hypersensitivity 2h</li> <li>10. Allergic diseases prophylaxis 1h</li> <li>11. Allergen immunotherapy 1h</li> </ol> <p>Ćwiczenia</p> <ol style="list-style-type: none"> <li>1. Skin testing- performance and interpretation of skin prick tests, intradermal tests, epicutaneous patch tests 3 h</li> <li>2. Spirometry – indications and contraindications, measurements, interpretation, reversibility test, PEF variability testing and its application in asthma diagnosis 4h</li> <li>3. Bronchial hyperresponsiveness testing – indications and contraindications for provocation testing 2h</li> <li>4. Rhinomanometry and nasal provocation challenge testing – 1h</li> <li>5. Selected method of ocular allergy diagnosis. 1h</li> <li>6. Food allergen challenge. 2h</li> <li>7. Final test. 2h</li> </ol>

#### 4.3. Intended learning outcomes

Code	A student, who passed the course	Relation to learning outcomes
within the scope of <b>KNOWLEDGE</b> :		
W01	knows the basis for the development and the mechanisms of the immune system, including specific and non-specific mechanisms of humoral and cellular immunity;	C.W20
W 02	knows the types of hypersensitivity reactions, types of immunodeficiency and immunomodulation base;	C.W22.
W 03	determines the clinical course specific and non-specific inflammations and describes the regeneration of tissues and organs;	C.W27.
W 04	<p>knows environmental and epidemiological conditions for the most common allergic diseases</p> <p>knows and understand the causes, symptoms, principles of diagnosis and therapeutic management in relation to the most frequent allergic diseases occurring in adults and their complications:</p> <ul style="list-style-type: none"> <li>a) Asthma</li> <li>b) Allergic rhinitis</li> <li>c) Urticaria andgioedema</li> <li>d) Anaphylaxis</li> <li>e) Drug hypersensitivity</li> <li>f) Atopic dermatitis</li> <li>g) Contact dermatitis</li> </ul>	<p>E.W1.</p> <p>E.W7.</p>
within the scope of <b>ABILITIES</b> :		
U01	uses the antigen - antibody reaction in current modifications and techniques for the diagnosis of infectious diseases, allergies, autoimmune diseases, blood diseases and cancer;	C.U8.
UO2	analyses defensive and adaptation reactions as well as regulation disorders caused by the etiological factor;	C.U12.
UO2	conducts a review of medical history of the adult patient;	E.U1.

4.4. Methods of assessment of the intended learning outcomes																					
Teaching outcomes (code)	Method of assessment (+/-)																				
	Exam oral/written*			Test*			Project*			Effort in class*		Self-study*		Group work*			Others*				
	Form of classes			Form of classes			Form of classes			Form of classes		Form of classes		Form of classes			Form of classes				
	L	C	...	L	C	...	L	L	C	...	L	C	...	L	L	C	...	L	C	...	L
...W01-W04	x										x							x			
U01-U02	x										x							x			

\*delete unnecessary

4.5. Criteria of assessment of the intended learning outcomes		
Form of classes	Grade	Criterion of assessment
lecture (L)	3	61%-68% Mastering the program content at the basic level
	3,5	69%-76% Mastering the program content at the basic level, systematized answers
	4	77%-84% Mastering the program content at the basic level, systematized answers. Problem solving in typical situations.
	4,5	85%-92% The scope of the presented knowledge goes beyond the basic level, based on the supplementary and provide literature. Problem solving in new and complex situations.
	5	93%-100% The scope of the presented knowledge goes beyond the basic level based on self-acquired scientific sources of information.
classes (C)*	3	61%-68% Mastering the program content at the basic level
	3,5	69%-76% Mastering the program content at the basic level, systematized answers
	4	77%-84% Mastering the program content at the basic level, systematized answers. Problem solving in typical situations.
	4,5	85%-92% The scope of the presented knowledge goes beyond the basic level, based on the supplementary and provide literature. Problem solving in new and complex situations.
	5	93%-100% The scope of the presented knowledge goes beyond the basic level based on self-acquired scientific sources of information.

#### 5. BALANCE OF ECTS CREDITS – STUDENT'S WORK INPUT

Category	Student's workload
	Full-time
<i>NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/</i>	<b>35</b>
<i>Participation in lectures*</i>	<b>15</b>
<i>Participation in classes, seminars, laboratories*</i>	<b>20</b>
<i>Preparation in the exam/ final test*</i>	
<i>Others*</i>	
<i>INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/</i>	<b>15</b>
<i>Preparation for the lecture*</i>	
<i>Preparation for the classes, seminars, laboratories*</i>	
<i>Preparation for the exam/test*</i>	<b>10</b>
<i>Gathering materials for the project/Internet query*</i>	<b>5</b>
<i>Preparation of multimedia presentation</i>	
<i>Others (please specify e.g. e-learning)*</i>	
<b>TOTAL NUMBER OF HOURS</b>	<b>50</b>
<b>ECTS credits for the course of study</b>	<b>2</b>

\*delete unnecessary

Accepted for execution (date and signatures of the teachers running the course in the given academic year)

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