

## COURSE DESCRIPTION CHART

<b>Discipline code</b>	12.6-3LEK-F-AI	
<b>Name of discipline</b>	Polish	<b>Alergologia</b>
	English	<b>Allergology</b>

### 1. POSITION OF DISCIPLINE IN THE STUDY SYSTEM

<b>1.1. Study speciality</b>	medicine
<b>1.2. Form 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. Specialization</b>	lack
<b>1.6. Unit conducting the discipline</b>	Faculty of Health Sciences
<b>1.7. Person preparing course description chart</b>	dr n. med. Małgorzata Czarny-Działak
<b>1.8. Person responsible for the discipline</b>	dr n. med. Małgorzata Czarny-Działak
<b>1.9. Person conducting the discipline</b>	dr n. med. Małgorzata Czarny-Działak
<b>1.10. Contact</b>	602570179

### 2. GENERAL CHARACTERISTICS OF THE DISCIPLINE

<b>2.1. Affiliation to module</b>	Facultative
<b>2.2. Status of discipline</b>	optional
<b>2.3. Language of tuition</b>	English
<b>2.4. Semesters for performance of the discipline</b>	6-9th semester
<b>2.5. Preliminary requirements</b>	Knowledge of anatomy and physiology of the respiratory system, gastrointestinal tract as well as skin

### 3. FORMS, WAYS AND METHODS OF CONDUCTING CLASSES

<b>3.1. Types of classes</b>	<b>Lectures, classes</b>	
<b>3.2. Way of conducting classes</b>	Lecture- Courses in the teaching rooms of UJK Classes – The Department of Internal Medicine	
<b>3.3. Way of obtaining credits for classes</b>	<b>Credit with grade</b>	
<b>3.4. Didactic methods</b>	<b>Conversational lecture, discussion, a case study in natural condition</b>	
<b>3.5. List of literature</b>	<b>basic</b>	1. 9780323375795 Middleton's Allergy Essentials
	<b>supplementary</b>	1. Color Atlas of Allergy Diseases 9783131291912

### 4. AIMS, PROGRAMME CONTENT AND EDUCATION OUTCOMES

<b>4.1. Aims</b>
C1 acquisition of knowledge about the specifics of allergic diseases in all age groups
C2 preparation to the classes in the department of allergy conditions, the ability to identify allergic diseases
C3 development of proper doctor attitude toward the patients with allergic diseases

## 4.2. Programme content

### Lectures

1. Anatomy and physiology of the respiratory system, gastrointestinal tract and skin with paying attention to possible birth defects. 1h
2. The history of allergology in Poland and in the world. 0,5h
3. Patomechanism of allergic diseases. Allergens. 1h
4. Diagnostic methods in allergology: skin tests, skin determination of concentrations of specific IgE, spirometry, provocation tests, study of bronchial hyperresponsiveness. 2h
5. Allergic diseases of the respiratory system: allergic rhinitis, allergic bronchial asthma 2h
6. Allergic ophthalmic diseases. 0,5h
7. Allergic skin diseases: urticaria and angioedema, atopic dermatitis, atopic dermatitis, allergic contact dermatitis. 2h
8. Food allergy: diagnosis and treatment. 2h
9. Multi-organ allergic reactions: anaphylaxis, allergy to latex allergy to the venom of stinging insects, drug reactions. 2h
10. Prevention of allergic diseases. 1h
11. Specific immunotherapy. 1h

### Classes

1. Skin tests – the principles of implementation and interpretation of skin prick tests, intradermal tests, epidermal patch test, atopy patch tests - and their application. 3 h
2. Spirometry – indications and contraindications, lung ventilation parameters and measurement methods, attempt diastolic, measurement the diurnal variation in PEF and its importance in the diagnosis of bronchial asthma. 4h
3. Examination of bronchial hyperresponsiveness – indications and contraindications to conduct challenge tests. 2h
4. Rhinomanometry and nasal provocation tests – 1h
5. Selected diagnostic methods in the practice of ophthalmology – conjunctival provocation tests. 1h
6. Provocation tests in food allergy. 2h
7. Credit. 2h

### Education outcomes in the discipline

code	Student who obtained credit	Degree of saturation of outcome in discipline 1 [+] [++] [+++]	Reference to education outcomes	
			For discipline	For area/ <u>standard</u>
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.	
W02	knows the types of hypersensitivity reactions, types of immunodeficiency and immunomodulation base;	+	C.W22.	
W03	determines the clinical course specific and non-specific inflammations and describes the regeneration of tissues and organs;	+	C.W27.	
W04	knows environmental and epidemiological conditions for the most common diseases;	++	E.W1.	
W05	knows and understand the causes, symptoms, principles of diagnosis and therapeutic management in relation to the most frequent internal diseases occurring in adults and their complications: a) cardiovascular diseases, including coronary heart disease, heart defects, endocarditis, myocarditis, pericarditis, heart failure (acute and chronic), arterial and venous diseases, primary and secondary hypertension, pulmonary hypertension;	++	E.W7.	

	<p>b) respiratory diseases, including diseases of the respiratory tract, chronic obstructive pulmonary disease, bronchial asthma, bronchiectasis, cystic fibrosis, respiratory infections, interstitial lung disease, pleura, mediastinum, obstructive and central sleep apnea, respiratory failure (acute and chronic), respiratory cancers,</p> <p>c) gastrointestinal diseases, including diseases of oral cavity, esophagus, stomach and duodenum, intestine, pancreas, liver, biliary tract and gall bladder;</p> <p>d) endocrine diseases, including diseases of the hypothalamus and pituitary, thyroid, parathyroid, cortex and adrenal medulla, ovaries and testes as well as neuroendocrine tumors polyglandular syndromes, different types of diabetes and metabolic syndrome: hypoglycemia, obesity, dyslipidemia;</p> <p>e), diseases of kidney and urinary tract, including acute and chronic renal failure, renal glomeruli diseases, cystic kidney disease, kidney stones, urinary tract infections, urinary tract tumor, particularly bladder cancer and kidney cancer;</p> <p>f) hematological diseases, including bone marrow aplasia, anemia, neutropenia and agranulocytosis, thrombocytopenia, acute leukemia, myeloproliferative neoplasms and myelodysplastic - myeloproliferative disorders, myelodysplastic syndromes, cancer of mature B and T lymphocytes, bleeding disorders, thrombophilia, states of a direct threat to life in hematology, blood disorders, diseases of other organs;</p> <p>g) rheumatic diseases, including systemic connective tissue disease, systemic vasculitis, inflammation of joints involving the spine, metabolic bone diseases, especially osteoporosis and degenerative diseases of the joints, gout;</p> <p>h) allergic diseases, including: anaphylaxis and anaphylactic shock and angioedema;</p> <p>i) water-electrolyte abnormalities and acid-base disorders: states of dehydration or fluid overload, electrolyte disorders, acidosis and alkalosis;</p>			
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Within the scope of **SKILLS**:

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.	
U02	analyses defensive and adaptation reactions as well as regulation disorders caused by the etiological factor;	+	C.U12.	
U03	conducts a review of medical history of the adult patient;	+	E.U1.	

<b>Criteria for evaluation of obtained education outcomes</b>				
<b>Grade 3</b>	<b>Grade 3,5</b>	<b>Grade 4</b>	<b>Grade 4,5</b>	<b>Grade 5</b>
<b>lecture</b>				



## 5. TOTAL ECTS CREDIT POINTS – STUDENT'S WORK LOAD

Category	Student's work load
	Full-time study
Participation in didactic classes specified in the study plan (contact hours)	35
Participation in lectures	15
Participation in classes, discussion sessions, laboratories, etc.	20
Participation in consultations/ PRACTICAL CLASSES	
Preparation for examination/participation in examination, final test, etc.	
Others	
Independent student's work (non-contact hours)	15
Preparation for lecture	
Preparation for classes, discussion sessions, laboratory, etc.	10
Preparation for examination/colloquium	5
Collection of material for the project, web query	
Elaboration of multimedia presentation	
Preparation of entry for wikipedia	
Others	
<b>Total number of hours</b>	<b>50</b>
<b>ECTS credit points for discipline</b>	<b>2</b>