

COURSE DESCRIPTION – Summer School of Dermatology and Allergology

Course title in	Polish	Letnia Szkoła Dermatologii i Alergologii
	English	Summer School of Dermatology and Allergology

1. LOCATION OF THE COURSE WITHIN THE SYSTEM OF STUDIES

1.1. Institute/Department:	Institute of Medical Sciences – Collegium Medicum – Jan Kochanowski University (UJK)
1.2. Course Syllabus prepared by	Monika Kucharczyk, MD
1.3. Contact details	kucharczykmonik@gmail.com Tel. +48 41 349 69 51

2. GENERAL COURSE CHARACTERISTICS

2.1. Language of Instruction	English
2.2. Prerequisites *	<p>a) Medical education – completion of medical studies (Doctor of Medicine degree) or an equivalent qualification entitling the individual to practice as a physician.</p> <p>b) Basic clinical knowledge – familiarity with fundamental issues in dermatology and allergology is expected, particularly regarding allergic diseases of the skin and respiratory system, in accordance with the course topics.</p> <p>c) English language proficiency at a minimum B2 level.</p>

3. DETAILED COURSE CHARACTERISTICS

a. Form of Instruction	Lectures – 15 hours Practical classes – 15 hours
b. Place of Instruction	Collegium Medicum, Jan Kochanowski University in Kielce
c. Form of assessment	Credit with grade
d. Teaching Methods	<p>Lectures: Informative lectures delivered orally with the use of visual aids.</p> <p>Practical classes: Panel discussions, hands-on practical exercises, medical record analysis and case studies, clinical simulations, reflection, and structured feedback.</p>
e. Bibliography	<p>Required reading</p> <p>Course-specific educational brochures prepared for the program, based on the most recent guidelines and recommendations of international and national scientific societies, including but not limited to:</p> <ul style="list-style-type: none"> -Contact allergy (e.g., European Society of Contact Dermatitis – ESCD guidelines), -Atopic dermatitis (e.g., European Academy of Allergy and Clinical Immunology – EAACI; European Task Force on Atopic Dermatitis – ETFAD), -Urticaria (e.g., EAACI/GA²LEN/EDF/WAO guidelines), -Asthma and allergen-specific immunotherapy (e.g., GINA – Global Initiative for Asthma; European Respiratory Society – ERS; EAACI; European Medicines Agency – EMA; American Thoracic Society – ATS). <p>Materials will be provided to participants in electronic and printed brochure format.</p>
	<p>Further reading</p> <ol style="list-style-type: none"> 1. Selected review articles from international journals such as <i>Allergy</i>, <i>Journal of the European Academy of Dermatology and Venereology</i>, and <i>Contact Dermatitis</i>. 2. Current recommendations and position statements of scientific societies:

		<ul style="list-style-type: none"> • EAACI – European Academy of Allergy and Clinical Immunology • ESCD – European Society of Contact Dermatitis • ETFAD – European Task Force on Atopic Dermatitis • GA²LEN – Global Allergy and Asthma European Network • WAO – World Allergy Organization • ERS – European Respiratory Society • ATS – American Thoracic Society • National guidelines: Polish Dermatological Society and Polish Society of Allergology
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4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED LEARNING OUTCOMES

4.1. Course Objectives

Lectures

- C1. Knowledge of current guidelines and diagnostic standards in allergic diseases of the skin and respiratory system.
 C2. Expansion of knowledge regarding the pathophysiological mechanisms of skin and respiratory allergies, including anaphylaxis, angioedema, contact allergy, and urticaria.
 C3. Knowledge of patient qualification principles for patch testing and interpretation of results, including occupational counseling.
 C4. Expansion of knowledge regarding allergen-specific immunotherapy, particularly in the context of Hymenoptera venom allergy.
 C5. Knowledge of diagnostic and therapeutic procedures used in clinical practice in allergic diseases of the skin and respiratory system.

Practical Classes

- C1. Enhancement of competencies in medical history-taking based on simulated patient interaction.
 C2. Ability to perform patch testing correctly – technically proper execution, material selection, analysis and interpretation of results.
 C3. Ability to respond quickly and effectively in life-threatening conditions such as anaphylaxis and angioedema.
 C4. Ability to recognize clinical manifestations of allergic skin and respiratory diseases and formulate preliminary diagnoses.
 C5. Ability to perform and interpret spirometry according to international standards.
 C6. Analysis of clinical cases based on medical documentation – development of clinical reasoning skills.
 C7. Ability to collaborate within a therapeutic team and communicate effectively with patients and other healthcare professionals.
 C8. Continuous professional development and adaptation of clinical practice to current standards.
 C9. Ability to share knowledge and professional experience within the medical community.
 C10. Awareness of professional responsibility in diagnosing and treating allergic diseases.
 C11. Development of competencies in occupational counseling and patient education.

4.2. Course Content(by form of instruction)

LECTURES

- Lecture 1: Atopic dermatitis – current guidelines and diagnostic standards; overview of international recommendations in allergic skin diseases.
 Lecture 2: Contact dermatitis – allergic and irritant types – disease mechanisms, epidemiology, diagnosis and management.
 Lecture 3: Urticarial wheal – is it really urticaria? Diagnostic pitfalls in dermatological practice.
 Lecture 4: Urticaria and angioedema in allergology practice – diagnosis, differential diagnosis and management.
 Lecture 5: Epidemiology and the importance of accurate asthma diagnosis. Review of new ERS/ATS 2022 guidelines/expert consensus – key changes and clinical implications.
 Lecture 6: Molecular allergy diagnostics – challenges in clinical practice.

**PRACTICAL CLASSES****Block 1: Practical Patch Testing Training**

Patient qualification for patch testing – inclusion criteria and principles. Training in correct patch test technique. Interpretation of results with assessment of clinical relevance. Occupational counseling in dermatological allergology.

Block 2: Diagnosis of Chronic Urticaria

Analysis of clinical documentation. Differentiation of urticaria types and identification of triggers. Performance of physical provocation tests (e.g., cold test, pressure test, dermographism test) and autologous serum skin test (ASST). Assessment using international disease activity and quality-of-life scales (e.g., UAS7, DLQI). Planning further diagnostic and therapeutic management. Introduction to patient qualification for biological therapy.

Block 3: Diagnosis and Management of Atopic Dermatitis

Medical documentation analysis. Identification of triggers and disease-modifying factors. Assessment of disease severity and quality of life using international scales (e.g., SCORAD, EASI, DLQI). Practical aspects of qualification for modern therapies, including biologics (e.g., dupilumab) and small-molecule drugs (e.g., JAK inhibitors). Case discussions and individualized therapeutic strategies.

Block 4: Simulated Patient Workshop – “From Symptoms to Diagnosis” (Dermatologist Perspective)

Training in medical history-taking. Clinical and therapeutic planning based on examination results and differential diagnosis of inflammatory skin diseases. Communication training and patient education. Interdisciplinary team-based therapeutic decision-making. Debriefing.

Block 5: Simulated Patient Workshop – “From Symptoms to Diagnosis” (Allergologist Perspective)

Training in recognition and management of acute and chronic allergic conditions. Scenarios covering anaphylaxis, angioedema, and Hymenoptera venom allergy diagnostics and immunotherapy. Debriefing.

Block 6: Spirometry Workshop

Spirometry technique (ATS/ERS standards): patient instruction, positioning, mouth seal, forced expiration, quality criteria (repeatability, PEF, best loops). Training on volunteers. Calibration and quality control of devices. Recognition of artifacts and indications for repeating tests. Bronchodilator test – technique and interpretation; clinical versus statistical response; implications for asthma diagnosis. Case studies.

4.3. Intended learning outcomes

Upon successful completion of the course, the student	
In terms of KNOWLEDGE	
W01	Knows current guidelines and diagnostic standards in allergic skin and respiratory diseases.
W02	Understands pathophysiological mechanisms of allergic diseases, including anaphylaxis, angioedema, contact dermatitis, atopic dermatitis, urticaria, and asthma.
W03	Knows qualification principles for patch testing and can interpret results including occupational counseling.
W04	Possesses advanced knowledge of allergen-specific immunotherapy, particularly in Hymenoptera venom allergy.
W05	Knows diagnostic and therapeutic procedures used in clinical practice.
In terms of SKILLS	
U01	Conducts comprehensive medical history-taking, including with simulated patients.
U02	Correctly qualifies patients for patch testing and performs and interprets the procedure.
U03	Responds effectively in life-threatening allergic emergencies.
U04	Recognizes clinical signs of allergic diseases and formulates preliminary diagnoses.
U05	Performs and interprets spirometry according to international standards.
U06	Analyzes clinical cases and makes accurate diagnostic and therapeutic decisions.

In terms of SOcial COMPETENCES	
K01	Demonstrates effective teamwork and communication skills.
K02	Shows readiness for lifelong learning and adaptation to current standards.
K03	Shares knowledge and professional experience.
K04	Demonstrates professional responsibility in diagnosing and treating allergic diseases.
K05	Develops competencies in occupational counseling and patient education.

4.4. Methods of assessment of the intended learning outcomes														
Teaching outcomes (code)	Method of assessment (+/-)													
	Exam oral/ written *		Progress test*		Project*		Effort in class*		Self-study*		Group work*		Other (please specify) * Observation	
	Form of classes		Form of classes		Form of classes		Form of classes		Form of classes		Form of classes		Form of classes	
W01	W	CP	W	CP	W	CP	W	CP	W	CP	W	CP		
W02			+											
W03			+											
W04			+											
W05			+											
U01									+				+	
U02									+				+	
U03									+				+	
U04									+				+	
U06									+				+	
K01													+	
K02													+	
K03													+	
K04													+	
K05													+	

*delete as appropriate

4.5. Criteria for Assessing Learning Outcomes		
Form of classes	Grade	Grading Criteria
Lecture (L) and Practical Classes(PS)	3	Acquired the knowledge and skills listed in section 4.3 at a satisfactory level – achieving 60–68% of the final assessment points
	3,5	Acquired the knowledge and skills listed in section 4.3 at a more than satisfactory level – achieving 69–76% of the final assessment points
	4	Acquired the knowledge and skills listed in section 4.3 at a good level – achieving 77–84% of the final assessment points
	4,5	Acquired the knowledge and skills listed in section 4.3 at a more than good level – achieving 85–92% of the final assessment points
	5	Acquired the knowledge and skills listed in section 4.3 at a very good level – achieving 93–100% of the final assessment points



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Approved for implementation

(date and signatures of course instructors for the given academic year)

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e-learning option available