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ФИО: Ястребов Олег Александрович
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Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
NAMED AFTER PATRICE LUMUMBA

RUDN University

Institute of Medicine

educational division (faculty/*institute*/academy) as higher education programme developer

COURSE SYLLABUS

Allergology

course title

Recommended by the Didactic Council for the Education Field of:

31.05.01 General Medicine

field of studies / speciality code and title

The course instruction is implemented within the professional education programme of higher education:

General Medicine

higher education programme profile/specialisation title

1. COURSE GOAL(s)

The goal of the course “Allergology” is to prepare students to perform the duties of a general practitioner (family doctor) based on the knowledge they have acquired about the etiology, pathogenesis, classification, clinical manifestations, diagnosis and principles of treatment of the most common dermatoses and sexually transmitted infections (STIs) .

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) “Allergology” is aimed at the development of the following competences /competences in part: PC-1, PC-2,PC-3,PC-6

Table 2.1. List of competences that students acquire through the course study

Competence code	Competence descriptor	Competence formation indicators (within this course)
PC - 1	Capable of providing medical care to a patient in an emergency or emergency manner	<p>PC-1.1. Able to assess the condition of a patient requiring urgent or emergency medical care.</p> <p>PC-1.2. Able to recognize conditions that arise from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient’s life and requiring emergency medical care.</p> <p>PC-1.3. Able to provide emergency medical care to patients with sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient’s life.</p> <p>PC-1.4. Able to recognize conditions that pose a threat to the patient’s life, including states of clinical death (cessation of vital functions of the human body (blood circulation and/or breathing), requiring emergency medical care.</p> <p>PK-1.5 Is capable of providing emergency medical care to patients in conditions that pose a threat to the patient’s life, including clinical death (stopping the vital functions of the human body (blood circulation and/or breathing).</p>

		<p>PC-1.6. Able to use medications and medical products when providing emergency or emergency medical care.</p>
<p>PC - 2</p>	<p>Being able to examine a patient in order to determine a diagnosis</p>	<p>PC-2.1. Mastering the skills to collect complaints, anamnesis of the patient's life and disease, as well as conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation).</p> <p>PC-2.2. Being able to make a preliminary diagnosis and make up a plan of laboratory and instrumental examinations of a patient.</p> <p>PC-2.3. Being able to refer a patient to a laboratory examination in case there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the medical care standards.</p> <p>PC-2.4. Being able to refer a patient to an instrumental examination in case there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p> <p>PC-2.5. Being able to refer a patient to consult with a medical specialist if there is a medical indication in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p> <p>PC-2.6. Being able to refer a patient to be provided with specialized medical care in an inpatient setting or in a day hospital in case there are medical indications in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p>

		<p>PC-2.7. Being able to carry out differential diagnosis with other diseases/conditions, including the urgent ones, as well as to make a diagnosis taking into account the current international statistical classification of diseases and problems related to health (ICD).</p>
PC - 3	<p>Being able to prescribe treatment and monitor its efficacy and safety</p>	<p>PC-3.1. Being able to develop a treatment plan for a disease or condition taking into account the diagnosis, age and clinical picture in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p> <p>PC-3.2. Being able to prescribe medicinal drugs, medical devices and medical nutrition taking into account the diagnosis, age and clinical picture of the disease and in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p> <p>PC-3.3. Being able to prescribe non-drug treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care taking into account the standards of medical care.</p> <p>PC-3.4. Being able to assess the efficacy and safety of the use of drugs, medical devices, medical nutrition and other treatment methods.</p>
PC - 6	<p>Capable of maintaining medical records and organizing the activities of nursing staff at their disposal</p>	<p>PC-6.3. Able to maintain medical documentation, including in electronic form.</p>

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3.COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course refers to the core/variable/elective* component of (B1) block of the higher educational programme curriculum.

* - Underline whatever applicable.

Within the higher education programme students also master other (modules) and / or internships that contribute to the achievement of the expected learning outcomes as results of the course study.

Table 3.1. The list of the higher education programme components/disciplines that contribute to the achievement of the expected learning outcomes as the course study results

Competence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
PC - 1	Capable of providing medical care to a patient in an emergency or emergency manner	Disaster Medicine; Ophthalmology; Propaedeutics of internal diseases; Obstetrics and Gynecology; Infectious diseases; General surgery; Pediatrics; Faculty Therapy; Faculty Surgery; Neurology, Medical Genetics, Neurosurgery; Outpatient therapy; Anesthesiology, resuscitation, intensive care; Hospital surgery, pediatric surgery; Oncology, radiation therapy; Traumatology, orthopedics; Emergency medicine for life-threatening conditions; Hospital therapy; Urology; Practice of diagnostic profile: assistant ward nurse; Practice in emergency	

		<p>medical manipulations (simulation center); Practice to obtain primary professional skills and professional experience: assistant procedural nurse; Surgical Practice: Assistant Surgeon; Obstetrics and gynecology practice: assistant gynecologist; Assistant to a Physician of a Therapeutic Profile: Assistant to a General Practitioner; Obstetrics and gynecology practice: obstetrician's assistant; General medical practice: assistant pediatrician;</p>	
PC – 2	Able to examine the patient in order to establish a diagnosis	<p>Medical Enzymology**; General medical skills; Molecular Genetics in Practical Biology and Medicine**; Ophthalmology; Propaedeutics of internal diseases; Medical Elementology; Obstetrics and Gynecology; Immunology; Infectious diseases; Otorhinolaryngology; General surgery; Pediatrics; Faculty Therapy; Faculty Surgery; Occupational diseases; Microbiology, virology; Pathophysiology, clinical pathophysiology; Neurology, Medical Genetics, Neurosurgery; Psychiatry, Medical Psychology; Phthisiology; Outpatient</p>	

		<p>therapy; Anesthesiology, resuscitation, intensive care; Hospital surgery, pediatric surgery; Oncology, radiation therapy; Traumatology, orthopedics; Evidence- based medicine; Radiation diagnostics; Dermatovenereology; Clinical dentistry; Topical issues of neonatology**; Topical Issues of Neonatology**; Cardiology in quests; Methods of microbiological diagnostics; Molecular genetic methods; Pathological anatomy, clinical pathological anatomy; Hospital therapy; Urology; Surgical Practice: Assistant Surgeon; Obstetrics and gynecology practice: assistant gynecologist; Assistant to a Physician of a Therapeutic Profile: Assistant to a General Practitioner; Practice of general medicine profile: assistant doctor of an outpatient clinic; Obstetrics and gynecology practice: obstetrician's assistant; General medical practice: assistant pediatrician;</p>	
PC-3	Able to prescribe treatment and monitor its effectiveness and safety	<p>Introduction to Nutrition**; Fundamentals of Pediatric Nutrition**; Ophthalmology; Obstetrics and</p>	

		<p>Gynecology; Infectious diseases; Clinical Pharmacology; Otorhinolaryngology; Pediatrics; Faculty Therapy; Pharmacology; Faculty Surgery; Occupational diseases; Fundamentals of Integrative Medicine**; Neurology, Medical Genetics, Neurosurgery; Psychiatry, Medical Psychology; Phthisiology; Outpatient therapy; Hospital surgery, pediatric surgery; Oncology, radiation therapy; Traumatology, orthopedics; Dermatovenereology; Topical issues of neonatology**; Topical Issues of Neonatology**; Experimental Oncology; Cardiology in quests; Fundamentals of therapeutic nutrition; Geriatrics and palliative medicine; Clinical Trials**; Clinical trials**; Hospital therapy; Urology; Surgical Practice: Assistant Surgeon; Obstetrics and gynecology practice: assistant gynecologist; Assistant to a Physician of a Therapeutic Profile: Assistant to a General Practitioner; General Medical Practice: Assistant Physician of an Outpatient Clinic Institutions; Obstetrics and gynecology practice: obstetrician's</p>	
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		assistant; General medical practice; assistant pediatrician;	
PC- 6	Capable of maintaining medical records and organizing the activities of nursing staff at their disposal	Ophthalmology; Propaedeutics of internal diseases; Obstetrics and Gynecology; Bioethics**; Infectious diseases; General surgery; Pediatrics; Faculty Therapy; Faculty Surgery; Public health and health care, health economics; Forensic Medicine; Outpatient therapy; Anesthesiology, resuscitation, intensive care; Hospital surgery, pediatric surgery; Oncology, radiation therapy; Radiation diagnostics; Modern methods of medical statistics; Biostatistics; Hospital therapy; Urology; Introductory practice for obtaining primary professional skills and abilities: patient care (simulation center); Introductory practice for obtaining primary professional skills and abilities: patient care; Practice for obtaining primary professional skills and abilities: assistant junior medical personnel; Practice to obtain primary professional skills and professional experience: assistant procedural nurse; Surgical Practice: Assistant Surgeon; Obstetrics and	

		gynecology practice: assistant gynecologist; Assistant to a Physician of a Therapeutic Profile: Assistant to a General Practitioner; General medical practice: assistant doctor of an outpatient clinic; Obstetrics and gynecology practice: obstetrician's assistant;	
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* - to be completed in accordance with the competency matrix and the SUP EP HE

** - elective disciplines/practices

4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the course is 2 credits (72 academic hours).

Table 4.1. Types of academic activities during the periods of higher education programme mastering

Type of academic activities	Total academic hours	Semesters/training modules			
		12			
<i>Contact academic hours</i>	32	32			
including:					
Lectures (LC)	0	0			
Lab work (LW)	0	0			
Seminars (workshops/tutorials) (S)	32	32			
<i>Self-studies</i>	31	31			
<i>Evaluation and assessment (exam/passing/failing grade)</i>	9	9			
Course workload	72	72	72		
	3	3	3		

* To be filled in regarding the higher education programme correspondence training mode.

5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Course module title	Course module contents (topics)	Academic activities types
Section 1. General allergology.	Topic 1.1. Organization of allergy care and public health issues.	S
	Topic 1.2. Assessing the state of the human immune system.	S
	Topic 1.3. General issues of allergology.	S
Section. Particular allergology	Topic 2.1. Allergic skin diseases.	S
	Topic 2.2. Bronchial asthma	S
	Topic 2.3. Allergic rhinitis and rhinoconjunctivitis	S
	Topic 2.4. Hay fever	S
	Topic 2.5. Urticaria and angioedema	S
	Topic 2.6. Drug allergies	S
	Topic 2.7. Food allergies	S
	Topic 2.8. Anaphylactic shock	S

* - to be filled in only for **full**-time training: *LC* - lectures; *LW* - lab work; *S* - seminars.

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Classroom equipment and technology support requirements

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
Seminar (rooms 1,2,3)	An auditorium for conducting seminar-type classes, group and individual consultations, ongoing monitoring and intermediate certification, equipped with a set of specialized furniture and technical means for multimedia presentations.	A set of specialized furniture; technical means: multimedia projector EPSONH719B, laptop ASUSLENOVOB50-10, screen. There is Internet access.

Computer lab (room 3)	Computer class for conducting classes, group and individual consultations, ongoing monitoring and intermediate certification, equipped with personal computers (3 pcs.), a whiteboard (screen) and technical means for multimedia presentations.	Software: Microsoft products (OS, office application suite, including MSOffice/Office 365, Teams, Skype), stands, visual aids, models of skin diseases.
Self-studies (room 4)	An auditorium for independent work by students (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to EIOS.	Software: Microsoft products (OS, office application suite, including MSOffice/Office 365, Teams, Skype), stands, visual aids, models of skin diseases.
Lab-work	An auditorium for laboratory work, individual consultations, routine monitoring and intermediate certification, equipped with a set of specialized furniture and equipment.	microscopes, dummys

* The premises for students' self-studies are subject to **MANDATORY** mention

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

1. Zemskov A.M., Zemskov V.M., Zemskova V.A. Clinical immunology and allergology: textbook. — Moscow : INFRA-M, 2025. - 420 p. + Add. Materials [Electronic resource]. — (Higher education). — DOI 10.12737/1048793. - ISBN 978-5-16-020564-9. - Text : electronic. - URL: <https://znanium.ru/catalog/product/2175110>

2. Makeeva K. S. Klinicheskaya allergology dlya obuchayushchikhsya na angliyskogo yazyke (Clinical Allergology for Learners in English) : a textbook. — Moscow : INFRA-M, 2024. - 84 p. - ISBN 978-5-16-112683-7. - Text : electronic. - URL: <https://znanium.ru/catalog/product/2161257>

3. Elena Anatolyevna Levkova, Olga Guryevna Elisyutina, Almira Dmitrievna Donetskova. Immunology, clinical immunology. Textbook [Elektronnyi resurs]. - Moscow, RUDN Publ., 2023. 90 p. ISBN 978-5-209-11436-9 URL: https://mega.rudn.ru/MegaPro/UserEntry?Action=Link_FindDoc&id=517194&idb=0

b) *additional readings:*

1. Clinical guidelines for bronchial asthma, 2024 - https://raaci.ru/education/clinic_recomendations/1065.html

2. Clinical guidelines urticaria, 2023, -
https://raasi.ru/education/clinic_recommendations/470.html
3. Clinical guidelines anaphylaxis, anaphylactic shock, 2022, -
https://raaci.ru/education/clinic_recomendations/185.html

Resources of the information and telecommunication network "Internet":

1. RUDN University Electronic Library System and third-party electronic library systems to which university students have access on the basis of concluded agreements
 - RUDN University Electronic Library System – RUDN University Electronic Library System <http://lib.rudn.ru/MegaPro/Web>
 - Electronic library "University Library Online" <http://www.biblioclub.ru>
 - EBS Urait <http://www.biblio-online.ru>
 - EBS "Student Consultant" www.studentlibrary.ru
 - EBS "Troitsky Bridge"

2. Databases and search engines:
 - Electronic Collection of Legal and Regulatory and Technical Documentation <http://docs.cntd.ru/>
 - search engine Yandex <https://www.yandex.ru/>
 - search engine Google <https://www.google.ru/>
 - abstract database SCOPUS
 - <http://www.elsevierscience.ru/products/scopus/>

Educational and methodological materials for independent work of students in the development of a discipline/module*:

1. A course of lectures on the discipline "Allergology"

* - all educational and methodological materials for students' independent work are posted in accordance with the current procedure on the discipline page in TUIS!

DEVELOPERS:

**Senior lecturer, Head of the
academic department of**

A. L. Savastenko

**dermatovenerology,
allergology and cosmetology**

Position

signature

Last name, first and middle name

**Professor of the Department of
Dermatovenerology,
allergology and cosmetology**

R.A. Khanferyan

Position

Signature

Last name, first and middle name

**Professor of the Department of
Dermatovenerology,
allergology and cosmetology**

O. V. Zhukova

Name of department

Signature

Last name, first and middle name

HEAD OF THE HIGHER EDUCATIONAL PROGRAMM:

**Head of higher education
department**

N.V. Sturov

Position

Signature

Last name, first and middle name