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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**

**RUDN University**

Institute of Medicine

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

## **COURSE SYLLABUS**

Allergology

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course title

**Recommended by the Didactic Council for the Education Field of:**

31.05.01 General Medicine

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field of studies / speciality code and title

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

General Medicine

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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 THE RESULTS OF MASTERING THE DISCIPLINE

Mastering the discipline “Allergology” is aimed at developing the following competencies in students:

UK-1, OPK-6, PC-1, PC-5, PC-6 (in accordance with Federal State Educational Standard VO 3++ 05/31/01 General Medicine).

Table 2.1. List of competencies formed in students when mastering the discipline (results of mastering the discipline)

Competence s	Name of competences	Competency achievement indicators
UC -1	Able to critically analyze problem situations based on a systematic approach and develop an action strategy	UK-1.1. Analyzes scientific and technical literature and regulatory documentation of medical organizations. UK-1.2. Critically evaluates the reliability of information sources and works with conflicting information from different sources. UK-1.3. Understands trends, strategic objectives, issues in healthcare. Focuses on the legislative framework to develop strategies. UK-1.4. Analyzes and evaluates the economic potential, financial stability and risks of the organization.
OPC- 6	Capable of organizing patient care, providing primary health care, ensuring the organization of work and making professional decisions in emergency conditions at the prehospital stage, in emergency situations, epidemics and in areas of mass destruction	OPK-6.1. Knows the algorithm for providing first aid in emergency conditions, including in extreme conditions and areas of mass destruction. OPK-6.2. Able to identify conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and breathing.

		<p>OPK-6.3. Able to provide emergency medical care to patients in conditions that pose a threat to the patients' lives, including clinical death (cessation of vital functions of the human body (blood circulation and (or) respiration).</p>
PC - 1	<p>Capable of providing medical care to a patient in an emergency or emergency manner</p>	<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-5.1. Able to organize and conduct medical examinations taking into account age, health status, profession in accordance with current regulations and other documents.</p> <p>PC-5.2. Able to organize and control the implementation of immunoprophylaxis of infectious diseases in the adult population in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care.</p> <p>PC-5.3. Capable of carrying out medical examinations of the adult</p>

<p><b>PC - 5</b></p>	<p>Capable of carrying out and monitoring the effectiveness of measures for prevention and promotion of a healthy lifestyle and sanitary and hygienic education of the population</p>	<p>population for the purpose of early detection of chronic non-infectious diseases and the main risk factors for their development in accordance with current regulations and other documents.</p> <p>PC-5.4. Able to conduct clinical observation of patients with identified chronic non-infectious diseases.</p> <p>PC-5.5. Able to prescribe preventive measures to patients taking into account risk factors in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care.</p> <p>PC-5.6. Able to monitor compliance with preventive measures.</p> <p>PC-5.7. Able to determine medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist in the event of infectious (parasitic) diseases.</p> <p>PC-5.8. Able to issue and send an emergency notification to the territorial body of the Federal Service for Surveillance on Consumer Rights Protection and Human Welfare when an infectious or occupational disease is detected.</p> <p>PC-5.9. Capable of carrying out anti-epidemic measures in the event of a source of infection, including quarantine measures when identifying particularly dangerous (quarantine) infectious diseases.</p> <p>PC-5.10. Capable of developing healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat non-medical use of narcotic drugs and psychotropic substances.</p> <p>PC-5.11. Able to evaluate the effectiveness of preventive work with patients.</p> <p>.</p>
<p><b>PC - 6</b></p>	<p>Capable of maintaining medical records and organizing the activities of nursing staff at their disposal</p>	<p>PC-6.1. Able to draw up a work plan and report on his work, issue a passport for a medical (therapeutic) area.</p> <p>PC-6.2. Able to analyze morbidity, disability and mortality indicators to</p>

		<p>characterize the health of the attached population.</p> <p>PC-6.3. Able to maintain medical documentation, including in electronic form.</p> <p>PC-6.4. Able to monitor the performance of official duties by the local nurse and other medical workers at his disposal.</p> <p>PC-6.5. Able to ensure internal control of the quality and safety of medical activities within the scope of job duties.</p>
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### 3. PLACE OF DISCIPLINE IN THE STRUCTURE OF HE EP

The discipline “Allergology” belongs to the mandatory part of block B1 of the OP HE.

As part of the EP HE, students also master other disciplines and/or practices that contribute to achieving the planned results of mastering the discipline “Allergology”.

Table 3.1. List of components of EP HE that contribute to achieving the planned results of mastering the discipline

Code	Name of competency	Previous disciplines/modules, practices*	Subsequent disciplines/modules, practices*
UC – 1	Able to critically analyze problem situations based on a systematic approach and develop an action strategy	Philosophy, Physics, Biochemistry, Anatomy, Immunology, Hygiene, Public health and healthcare, health economics, Epidemiology, Neurology, medical genetics, neurosurgery, medical elementology	Hospital therapy, Endocrinology, Infectious diseases Phthisiology,
<b>OPC – 6</b>	Capable of organizing patient care, providing primary health care, ensuring the organization of work and making professional decisions in emergency conditions at the prehospital stage, in emergency situations, epidemics and in areas of mass destruction	Life safety, Immunology, General surgery, Topographic anatomy and operative surgery, Epidemiology, Faculty therapy,	Practice: Introductory practice on obtaining primary professional skills: nursing (simulation center), Introductory practice on obtaining primary professional skills: nursing, Practice on emergency medical procedures (simulation center),

<b>PC - 1</b>	Capable of providing medical care to a patient in an emergency or emergency manner	Life safety, Immunology, General surgery, Topographic anatomy and operative surgery, Dermatovenereology, Neurology, medical genetics, neurosurgery, Faculty surgery, Practice: Introductory practice to obtain primary professional skills: nursing (simulation center), Introductory practice to obtain primary professional skills: nursing, Immunology, Epidemiology, Introduction to nutrition.	Hospital therapy, Endocrinology, Polyclinic therapy, Hospital surgery, pediatric surgery, Practice: Practice in emergency medical procedures (simulation center), Surgical practice: surgeon's assistant, Therapeutic doctor's assistant: therapist's assistant, General medical practice: assistant physician in an outpatient clinic
<b>PC – 5</b>	Capable of carrying out and monitoring the effectiveness of measures for prevention and promotion of a healthy lifestyle and sanitary and hygienic education of the population	Immunology, General Surgery, Public Health and Healthcare, Health Economics, Faculty Surgery,	Infectious diseases Phthysiology, Polyclinic therapy, Hospital surgery, pediatric surgery, Obstetrics and gynecology Pediatrics. Practice: Practice in emergency medical procedures (simulation center), Surgical practice: surgeon's assistant, Therapeutic doctor's assistant: therapist's assistant, General practice: assistant physician in an outpatient clinic
<b>PC- 6</b>	Capable of maintaining medical records and organizing the activities of nursing staff at their disposal	Immunology, General Surgery, Public Health and Healthcare, Health Economics, Faculty Surgery,	Polyclinic therapy, Practice: Practice in emergency medical procedures (simulation center), Surgical practice: surgeon's assistant, Therapeutic doctor's assistant: therapist's assistant, General practice: assistant physician in an outpatient clinic.

#### 4. SCOPE OF DISCIPLINE AND TYPES OF STUDY WORK

The total labor intensity of the Allergology discipline is 2 credit units (72 hours).

Table 4.1. Types of educational work by periods of mastering EP HE for full-time education

Type of educational work		Total, ac. hours	Semesters
			11
<i>Contact work (ac/ hours)</i>		<b>34</b>	<b>34</b>
including			
Lectures (LC)		Laboratory work (LC)	
Practical/seminar sessions (PS)		Independent work (total)	
Preparation for classes:		Independent work on the proposed topics:	34
Control (exam/test with assessment), academic degree.		Total labor intensity of the discipline	38
ak. h.			16
Lectures (LC)		Laboratory work (LW)	16
Practical/seminar sessions (PS)		Independent work (total)	6
Preparation for classes:	Independent work on the proposed topics:	<b>72</b>	<b>72</b>
	Credit units	<b>3</b>	<b>3</b>

## 5. CONTENT OF DISCIPLINE

Table 5.1. Contents of the discipline (module) by type of academic work

Name of the discipline section	Contents of the section	Type of academic work*
<b>Section 1.</b> General allergology.	Topic 1.1. Organization of allergy care and public health issues.	<b>SC, SP</b>
	Topic 1.2. Assessing the state of the human immune system.	<b>SC, SP</b>
	Topic 1.3. General issues of allergology.	<b>SC, SP</b>
<b>Section.</b> Particular allergology	Topic 2.1. Allergic skin diseases.	<b>SC, SP</b>
	Topic 2.2. Bronchial asthma	<b>SC, SP</b>
	Topic 2.3. Allergic rhinitis and rhinoconjunctivitis	<b>SC, SP</b>
	Topic 2.4. Hay fever	<b>SC, SP</b>
	Topic 2.5. Urticaria and angioedema	<b>SC, SP</b>

	Topic 2.6. Drug allergies	<b>SC, SP</b>
	Topic 2.7. Food allergies	<b>SC, SP</b>
	Topic 2.8. Anaphylactic shock	<b>SC, SP</b>

\* - must be filled out only for full-time education: LC – lectures; LW – laboratory work; SC – seminar classes.

## 6. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE

Table 6.1. Material and technical support of the discipline

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 class (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.
For independent work of students (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.	

## 7. EDUCATIONAL, METHODOLOGICAL AND INFORMATIONAL SUPPORT OF DISCIPLINE.

### a) Basic literature:

1. Allergology and immunology: national manual / Edited by R.M. Khaitov, N.I. Ilyina. M.: GEOTAR-Media, 2016. – 656 p.

2. Khaitov R.M. Immunology (textbook). M.: GEOTAR-Media, 2020. – 720 p.

**b) Additional literature:**

1. Kovalchuk L.V., Gankovskaya L.V., Meshkova R.Ya. Immunology (workshop). M.: GEOTAR-Media, 2016. – 640 p.

**c) software:**

1. Atlas of skin diseases.

**d) databases, information, reference and search systems:**

1. <http://www.aids.ru>

2. <http://immunologia.ru/>

3. <https://elibrary.ru/defaultx.asp> – scientific electronic library, the largest Russian information and analytical portal in the field of science, technology, medicine and education;

4. DermIS.net <http://www.dermis.net/dermisroot/en/home/index.htm>

5. DermAtlas.RU <http://dermatlas.ru/>.

6. Dermatology Image Atlas <http://dermatlas.med.jhmi.edu/derm/>.

7. Dermnet.com <http://www.dermnet.com>.

8. Electronic library system of RUDN - EBS RUDN <http://lib.rudn.ru/MegaPro/Web>

9. ELS “University Library Online” <http://www.biblioclub.ru>

10. EBS Yurayth <http://www.biblio-online.ru>

11. EBS “Student Consultant” [www.studentlibrary.ru](http://www.studentlibrary.ru)

12. EBS “Lan” <http://e.lanbook.com/>

13. EBS “Troitskymost”

Educational and methodological materials for students’ independent work when mastering a discipline/module\*:

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

**8. ASSESSMENT MATERIALS AND POINT-RATING SYSTEM FOR ASSESSING THE LEVEL OF COMPETENCIES FOR A DISCIPLINE**

Evaluation materials and a point-rating system\* for assessing the level of development of competencies (part of competencies) based on the results of mastering the discipline “Allergology” are presented in the Appendix to this Work Program of the discipline.

\* - OM and BRS are formed on the basis of the requirements of the relevant local regulatory act of RUDN University.

**DEVELOPERS:**

Professor of the Department  
of Dermatovenerology,  
allergology and  
cosmetology

R.A. Khanferyan

Position	Signature	Last name, first and middle name
Head of department		O. V. Zhukova
Position	Signature	Last name, first and middle name

**HEAD OF БУП:**

Professor of the Department  
of Dermatovenerology,  
allergology and  
cosmetology

O. V. Zhukova

Name of БУП	Signature	Last name, first and middle name
Head of ОП ВО: First Deputy Director the MI for Academic Affairs		И.В. Радыш
Position	Signature	Last name, first and middle name