

## « DERMATOVENEROLOGY »

(name of the academic discipline)

General Educational Program of higher education (specialist's degree programs )

31.05.01 General Medicine

Department: SKIN AND VENERAL DISEASES

**1. The purpose and objectives of mastering the academic discipline** is the formation of preventive, diagnostic and therapeutic competencies in dermatovenereology (UC1, GPC 1.5.7, PC 1,4,5,8).

1.1. The purpose of mastering the discipline: (*participation in forming the relevant competencies*).

1.2. Tasks of the discipline:

As a result of completing the discipline, the student should

**Know:**

The main clinical manifestations of skin diseases (scabies, pediculosis, dermatophytosis), HIV infection and sexually transmitted infections;

•Rules for maintaining and issuing standard medical documentation (outpatient card, inpatient card);

•Etiology, pathogenesis and preventive measures of the most common dermatological diseases, their clinical presentation, course features and possible complications;

•Diagnostic methods and their diagnostic capabilities in the examination of a dermatological and venereal patient;

•Criteria for the diagnosis of various contagious dermatovenereological diseases;

•Implementation of a rational choice of drugs in the treatment of various pathological syndromes and emergency conditions.

•Moral and ethical standards, rules and principles of professional medical behavior, the rights of the patient and the doctor, the ethical foundations of modern medical legislation;

•Pathological pharmacology in the body at the molecular, cellular, tissue and organ levels;

• Features of the organization and volume of work of an outpatient doctor, modern diagnostic capabilities of the outpatient service, methods of emergency measures, indications for planned hospitalization of patients;

•Etiology pathogenesis and preventive measures of the most common diseases, modern classification;

•Clinical picture, course features and possible complications of the most common diseases occurring in a typical form in different age groups;

**Be able to:**

• conduct an examination of the patient;

• evaluate social factors affecting the patient's physical and mental health (unemployment, death of close relatives, etc.);

• make a preliminary diagnosis - synthesize information about the patient in order to determine the pathology and the causes that cause it;

• outline the scope of additional research methods in accordance with the prognosis of the disease, to clarify the diagnosis and obtain a reliable result;

• choose an individual type of medical care in accordance with the situation: primary care, ambulance, hospitalization;

• develop a treatment plan taking into account the course of the disease;

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• outline the scope of additional research methods in accordance with the prognosis of the disease, to clarify the diagnosis and obtain a reliable result;

- choose an individual type of medical care in accordance with the situation: primary care, ambulance, hospitalization;
- develop a treatment plan taking into account the course of the disease;

**Possess:**

- skills of presenting an independent point of view, analysis and logical thinking, public speech, moral and ethical reasoning, discussions and round tables;
- skills in assessing symptoms and syndromes in major dermatovenereological diseases;
- skills in interpreting the results of laboratory, instrumental diagnostic methods for the purpose of making a preliminary diagnosis and mastering the algorithm for making a clinical diagnosis;
- skills of correct registration of medical documentation;
- skills to inform patients and their relatives in accordance with the requirements of the rules of "informed consent";
- skills in conducting research and analyzing its results;
- skills in interpreting the results of laboratory, instrumental diagnostic methods in order to make a preliminary diagnosis and master the algorithm for making a clinical diagnosis.
- skills in the treatment of various pathological syndromes and emergency
- the skill of comparing the morphological and clinical manifestations of diseases.

**2. Position of the academic discipline in the structure of the General Educational Program of Higher Education (GEP HE) of the organization.**

**2.1.** The discipline dermatovenereology refers to the core part (or *the part formed by the participants of educational relations*) of Block 1 of GEP HE (B1.0.27).

The discipline is taught in 8 semester 4 year of study.

**3. Deliverables of mastering the academic discipline and metrics of competence acquisition**

Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

№	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				know	be able to	possess
1.	UC-1.	Able to carry out a critical analysis of problem situations	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	1.1 Knows: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis	1.2 Able to: gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information	1.3 Has practical experience: researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional

					n and solutions based on action, experiment and experience	problems
2.	GPC-1	Able to implement moral and legal norms, ethical	Able to implement moral and legal norms, ethical and deontological principles in professional activities	1.1 Knows: basics of medical ethics and deontology ; fundamentals of legislation in the field of healthcare; legal aspects of medical practice	1.2 Able to: apply ethical norms and principles of behavior of a healthcare worker in the performance of their professional duties; knowledge of modern legislation in the field of healthcare in solving problems of professional activity; apply the rules and norms of interaction between a doctor and colleagues and patients (their legal representatives)	1.3 Has practical experience in: solving standard problems of professional activity based on ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of the legal aspects of medical practice
3.	GPC-5.	Able to assess morphofunctional, physiological, physiological	Able to assess morphofunctional, physiological conditions and pathological processes in	5.1 Knows: anatomy, histology, embryology	5.2 Able to: evaluate the basic morphological	5.3 Has practical experience in: assessment

		l conditions and pathological processes in the human body to solve professional problems	the human body to solve professional problems	y, topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems	ical and functional data, physiological conditions and pathological processes in the human body	of basic morphological and functional data, physiological conditions and pathological processes in the human body when solving professional problems
4.	GPC-7.	Able to prescribe treatment and monitor its effectiveness and safety	Able to prescribe treatment and monitor its effectiveness and safety	7.1 Knows: methods of drug and non-drug treatment, medical indications for the use of medical devices for the most common diseases; groups of drugs used to provide medical care in the treatment of the most common diseases; the mechanism of their action, medical indications and contraindications to the prescription; compatibility,	7.2 Able to: develop a treatment plan for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines taking into account the standards of medical care; prevent or eliminate complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic	7.3 Has practical experience in: developing a treatment plan for patients with the most common diseases in accordance with the current procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care; provision of emergency and urgent medical care to patients with the most common diseases in accordance with the current procedures for

				<p>possible complications, side effects, adverse reactions, including serious and unforeseen ; features of medical care in emergency forms</p> <p>7.2 Able to: develop a treatment plan for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines taking into account the standards of medical care; prevent or eliminate complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or</p>	<p>or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment</p>	<p>providing medical care, clinical guidelines, taking into account the standards of medical care; selection and prescription of medicines, medical devices with the most common diseases for the treatment of the most common diseases of children and adults in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; evaluation of the effectiveness and safety of the use of drugs, medical devices and non-drug treatment of patients with the most common diseases; selection and prescription of non-drug</p>
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				therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment	treatment for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines, taking into account the standards of medical care; prevention and treatment of complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment; providing medical care to patients with sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's
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						life in an emergency form; the use of medicines and medical devices in the provision of medical care in an emergency form
5.	PC -1	Able to assess the condition of a patient requiring medical treatment in the emergency form	Able to assess the condition of a patient requiring medical treatment in the emergency form	1.1 Knows: etiology, pathogenes is and pathomorp hology, clinical aspect, differential diagnosis, clinical features, complicati ons and outcomes of diseases of internal organs; methodolo gy for collecting complaints and anamnesis; physical examinatio n technique (examinati on, palpation, percussion, auscultatio n); a list of laboratory and instrument al research methods for	1.2 Able to: identify clinical signs of conditions requiring medical treatment in the emergency form	

				<p>assessing the condition, the main medical indications for conducting research and interpreting the results of patients requiring medical care in the emergency form</p>		
6.	PC-4	<p>Able to use medicines and medical devices for providing medical care in emergency forms</p>	<p>Able to use medicines and medical devices for providing medical care in emergency forms</p>	<p>4.1 Knows: modern methods of using medicines, medical devices for diseases and conditions in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account</p>	<p>4.2 Able to: prescribe medicines, medical devices taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the medical care</p>	

				<p>the standards of medical care in the provision of medical care in emergency or urgent forms; the mechanism of action of drugs, medical devices, medical indications and contraindications to their use; complications caused by their use; principles of operation of devices for external electric pulse therapy (defibrillation); rules for performing external electric pulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration</p>	<p>delivery in emergency or urgent forms</p>	
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7.	PC-5	Able to collect complaints, anamnesis of the patient's life and illness, conduct a complete physical examination of the patient	Able to collect complaints, anamnesis of the patient's life and illness, conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation), formulate a preliminary diagnosis and draw up a plan for laboratory and instrumental examinations of the patient	5.1 Knows: the legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and healthcare workers; method of collecting complaints, anamnesis of life and disease of the patient; a technique for a complete physical examination of the patient (examination, palpation, percussion, auscultation); etiology, pathogenesis and pathomorphology, clinical aspect,	5.2 Able to: collect complaints, anamnesis of life and disease of the patient and analyze the information received; conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation) and interpret its results; determine the sequence of volume, content and sequence of diagnostic measures incl. modern digital technologies	
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				<p>differential diagnosis, clinical features, complications and outcomes of diseases of internal organs; patterns of functioning of a healthy human body and mechanisms for ensuring health from the standpoint of the theory of functional systems; features of the regulation of the functional systems of the human body in pathological processes; methods of laboratory and instrumental examinations for assessing the state of health, medical indications for conducting investigati</p>	
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				ons, rules for interpreting their results		
8.	PC-8	Able to: develop a treatment plan for a disease or condition and prescribe medicine, medical devices, therapeutic nutrition and non-drug treatment taking into account the diagnosis, age and clinical picture in accordance with current procedures for the medical care delivery, clinical recommendations	Able to: develop a treatment plan for a disease or condition and prescribe medicine, medical devices, therapeutic nutrition and non-drug treatment taking into account the diagnosis, age and clinical picture in accordance with current procedures for the medical care delivery, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care and to evaluate the effectiveness and safety of the use of medicines, medical devices, therapeutic nutrition and other methods of treatment	8.1 Knows: modern methods of using medicines, medical devices and therapeutic nutrition in diseases and conditions of the patient in accordance with the current procedures for medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; the mechanism of action of medicines, medical devices and	8.2 Able to: draw up a treatment plan for the disease and the patient's condition taking into account the diagnosis, the patient's age, the clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe medication	

				<p>therapeutic nutrition, medical indications and contraindications to their use; complications caused by their use; modern methods of non-drug treatment of diseases and conditions of the patient in accordance with current medical care procedures, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; action mechanism of non-drug treatment; medical indications and contraindications to</p>	<p>s, medical devices and therapeutic nutrition taking into account the diagnosis, age and clinical picture of the disease in accordance with the current medical care procedures, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; prescribe non-drug treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the current medical care</p>	
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				its prescription; side effects, complications caused by its use	procedures, clinical recommendations (treatment protocols) on issues related to the provision of medical care taking into account the standards of medical care; evaluate the effectiveness and safety of the use of medicines, medical devices and therapeutic nutrition	
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**4. Sections of the academic discipline and competencies that are formed when mastering them**

№	Competence code	Section name of the discipline	The content of the section in teaching units
1	UC1, PC 1,4,5,8	General dermatology.	Brief history of the development of dermatology. Anatomy and histology of normal skin. The structure of the oral mucosa and the red border of the lips. Physiology and basic functions of the skin and oral mucosa
2	UC1, GPC 1.5.7, PC 1,4,5,8	Papulosquamous dermatoses.	Psoriasis, lichen planus, pink lichen gibert: etiology, pathogenesis, clinic, diagnosis and principles of treatment and prevention. Demonstration of patients
3	UC1, GPC 1.5.7, PC 1,4,5,8,	Allergodermatosis.	Dermatitis (allergic and contact), eczema, atopic dermatitis: etiology, pathogenesis, clinic, diagnosis and principles of treatment and prevention. Demonstration of patients
4	UC1, GPC 1.5.7, PC 1,4,5,8	Drugs reactions	Toxicodermia (erythema multiforme exudative, Stevens-Johnson syndrome, Lyell's syndrome): etiology, pathogenesis, clinic, diagnosis and principles of treatment and prevention. Demonstration of patients
5	UC1, GPC	Pustular diseases of	Superficial and deep pyoderma, clinical varieties: etiology,

	1.5.7, PC 1,4,5,8	the skin. Scabies. Pediculosis.	pathogenesis, clinic, diagnosis and principles of treatment and prevention. Demonstration of patients Scabies: etiology, pathogenesis, clinic, diagnosis and principles of treatment and prevention. Demonstration of patients Pediculosis: etiology, pathogenesis, clinic, diagnosis and principles of treatment and prevention. Demonstration of patients
6	UC1, GPC 1.5.7, PC 1,4,5,8	Fungal diseases	Pityriasis versicolor, erythrasma, mycosis of the head, feet, smooth skin and inguinal folds, candidiasis: etiology, pathogenesis, clinic, diagnosis and principles of treatment and prevention. Demonstration of patients Demonstration of patients.
7	UC1, GPC 1.5.7, PC 1,4,5,8	Diffuse connective tissue diseases	Lupus erythematosus, scleroderma and dermatomyositis: etiology, pathogenesis, clinic, diagnosis and principles of treatment and prevention. Demonstration of patients Demonstration of patients.
8	UC1, GPC 1.5.7, PC 1,4,5,8	Viral dermatoses	Herpetic infection, human papillomavirus: etiology, pathogenesis, clinic, diagnosis and principles of treatment and prevention. Demonstration of patients
9	UC1, GPC 1.5.7, PC 1,4,5,8	Vesicular dermatoses	Pemphigus, pemphigus: etiology, pathogenesis, clinic, diagnosis and principles of treatment and prevention. Demonstration of patients.
10	UC1, GPC 1.5.7, PC 1,4,5,8	Syphilis	Etiology, pathogenesis, clinic, diagnosis and principles of treatment and prevention. Demonstration of patients
11	UC1, GPC 1.5.7, PC 1,4,5,8	Gonorrhea	Gonorrhea: etiology, pathogenesis, clinic, diagnosis and principles of treatment and prevention. Demonstration of patients
12	UC1, GPC 1.5.7, PC 1,4,5,8	STI	Scabies, HPV: etiology, pathogenesis, clinic, diagnosis and rationale for treatment and prevention. Chlamydia: etiology, pathogenesis, clinic, diagnosis, treatment and prevention. Trichomoniasis: etiology, pathogenesis, clinic, diagnosis, causes, treatment and prevention

### 5. Volume of the academic discipline and types of academic work

Type of educational work	Labor intensity		Labor intensity (AH) in semesters
	volume in credit units (CU)	volume in academic hours (AH)	VIII
Classroom work, including	1.8	66	66
Lectures (L)	0,4	14	14
Laboratory practicum (LP)*			
Practicals (P)	1,4	52	52
Seminars (S)			
Student's individual work (SIW)	1,2	42	42
Mid-term assessment			
credit/exam ( <i>specify the type</i> )			
<b>TOTAL LABOR INTENSITY</b>	<b>3</b>	<b>108</b>	<b>108</b>