

*Summary of the working program of the academic discipline*

**«DOCTOR'S ASSISTANT IN AN OUTPATIENT CLINIC»**

(Name of the academic discipline)

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

31.05.01 General Medicine

*code, name of the specialty*

Department: Faculty and Polyclinic Pediatrics

**1. The purpose of mastering the discipline of the work practice "Doctor's Assistant in an Outpatient Clinic" - participation in the formation of relevant competencies (*specify the codes*): UC – 1, UC – 4, UC – 5, PC – 2, PC – 4, PC-5, PC – 7, PC – 11, PC – 22**

- Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy (UC-1),
- Able to apply modern communication technologies, including the use of a foreign language(s), for academic and professional interaction (UC-4),
- Able to analyze and take into account the diversity of cultures in the process of
  - cross-cultural interaction (UC-5),
- Able to recognize conditions arising from sudden acute diseases, exacerbation of chronic diseases and requiring urgent medical care, recognize conditions that pose a threat to the patient's life including conditions of clinical death, requiring the provision of emergency medical care (PC-2),
- Able to use medicines and medical devices for providing medical care in emergency forms (PC-4),
- 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 (PC-5),
- Able to: make a differential diagnosis with other diseases/conditions including emergencies, establish a diagnosis taking into account the current international statistical classification of diseases and related health problems (ICD) (PC-7),
- Able to carry out an examination of temporary disability and work as a part of a medical commission carrying out an examination of temporary disability (PC – 11),
- Able to: maintain medical records, also in the electronic form in the MIS (PC-22).

Practice Objectives:

**Know:**

- Fundamentals of the Legislation on the health care of citizens of the Russian Federation;
- the rights and duties of the physician of the district therapist, to analyze the indicators of his work;
- basics of ethics and deontology of medical activity;
- the procedure for conducting medical and occupational expertise to determine temporary disability;
- basic regulatory documentation, standards and procedures for treatment, and documents to assess the quality and effectiveness of medical care to the population;
- rules for ensuring continuity of treatment of patients at different stages of the health care system (outpatient clinic, inpatient clinic, sanatorium).

**Be able to:**

- Make an outpatient examination plan for each leading syndrome or disease.

- Interpret and use modern diagnostic methods: external respiratory function (spirometry), myocardial function (ECG, veloergometry, echocardiography), ultrasound, X-ray, biochemical and hematologic laboratory data.
- Choose optimal treatment option, prescribe drug therapy taking into account pharmacokinetics and pharmacodynamics of drugs, prevention of their undesirable side effects. Recommend nonpharmacological therapy.
- Write prescriptions for drugs, for narcotics, narcotic-containing drugs and their equivalents.
- Provide care for emergency conditions at home before the arrival of the ambulance: angina, hypertension, angina attack, heart rhythm disorders, hepatic and renal colic, asthma attack.
- Determine indications for emergency and planned hospitalization and execute the necessary documents.
- Recognize the borderline pathology encountered at the reception of a general practitioner: the most common infectious diseases, especially dangerous infections, ENT pathology, tuberculosis, mental illness, acute appendicitis, acute cholecystitis, gynecological diseases.
- Observe medical ethics and deontology when communicating with patients in the outpatient clinic and at home

**Possess:**

- Basic technologies of transformation of information: text, tabular editors; techniques of work in the Internet for professional activity;
- Techniques for statistical analysis and public presentation of the results;
- Modern methods of diagnostics of diseases of inner organs on the out-patient-polyclinic stage, including hi-tech and expert;
- Skills of rendering primary medical-sanitary aid in out-patient conditions and conditions of day hospital, for acute diseases, conditions, exacerbation of chronic diseases not accompanied by threat to life of the patient and not requiring emergency medical aid;

Modern methods of drug and non-drug therapy for the treatment and prevention of diseases on the basis of a standard algorithm.

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

2.1. Practice "Physician Assistant in an Outpatient Clinic" refers to the section "Practices, including research work (RW). The core part" of the block 2 of GEP HE. To passing of summer practical training as the assistant of the doctor of the out-patient-polyclinic establishment students who have finished the program of training on 5th year are admitted. Practice is mastered in the 10th semester.

**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	UC-1.1 is able to search, critically analyze	methods of critical analysis and evaluation	gain new knowledge based on analysis	researching the problem of profes-

		based on a systematic approach, develop an action strategy	and synthesize information, apply a systematic approach to solving tasks UC-1.2 He is able to apply methods of collecting, collecting and processing information; performs critical analysis and synthesis of information obtained from various sources; applies a systematic approach to solving tasks. UC-1.3 Owns the methods of search, collection and processing, critical analysis and synthesis of information; the methodology of a systematic approach to solving the tasks.	tion of modern scientific achievements; basic principles of critical analysis	sis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on action, experiment and experience	sional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems
2.	UC-4	Able to apply modern communication technologies, including the use of a foreign language(s), for academic and professional interaction	UC-4.1 is able to work with literary sources in Russian and a foreign language UC-4.2 Build and maintain relationships with all members of the team, establish psychological and verbal contact with sick children and their parents; UC-4.3 Ability to carry out business communication in oral and written	the basics of oral and written communication in Russian and foreign languages, functional styles of the native language, requirements to business communication, modern means of information and communication technologies	express thoughts in Russian and a foreign language in business communication	writing texts in Russian and foreign languages related to the professional activity; experience in translating medical texts from a foreign language into Russian; experience in speaking Russian and foreign languages.

			forms			
3.	UC-5	Able to analyze and take into account the diversity of cultures in the process of cross-cultural interaction	<p>UC-5.1 He knows the patterns and features of the socio-historical development of various cultures in an ethical and philosophical context.</p> <p>UC-5.2 Understands and perceives the diversity of society in socio-historical, ethical and philosophical contexts</p> <p>UC-5.3 Has the skills of interaction in the world of cultural diversity using ethical norms of behavior; as well as the skills of tolerant perception of the intercultural diversity of society in socio-historical, ethical and philosophical contexts.</p>	the main categories of philosophy, the laws of historical development, the basics of intercultural communication; the basic concepts of human interaction in the organization	competently, intelligibly present professional information in the process of intercultural interaction; observe ethical norms and human rights; analyze the features of social interaction taking into account national, ethnocultural, confessional features	Practical experience in productive interaction in the professional environment taking into account national, ethnocultural, confessional features overcoming communicative, educational, ethnic, confessional and other barriers in the process of intercultural interaction
4.	PC-2	Able to recognize conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care, recognize conditions that pose a threat to the patient's life including conditions of clinical death (stopping vital functions of the human body (blood circulation and/or respiration), requiring the provision of emergency medical care		etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, features of the course, complications and outcomes of diseases of internal organs; methods of collecting complaints and anamnesis in patients (their legal representatives);	identify clinical signs of conditions requiring emergency medical care; identify conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and respiration	

				<p>methods of physical examination of patients (examination, palpation, percussion, auscultation); a list of methods of laboratory and instrumental investigations to assess the patient's condition, the main medical indications for conducting research and interpreting the results; clinical signs of sudden cessation of blood circulation and/or respiration</p>		
5.	PC-4	Able to use medicines and medical devices for providing medical care in emergency forms		<p>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 the standards of medical care in the provision of medical care in emergency or urgent forms;</p>	<p>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 delivery in emergency or urgent forms</p>	

				<p>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>		
6.	PC-5	<p>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</p>		<p>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 pathomor-</p>	<p>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</p>	

				<p>phology, clinical aspect, 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 investigations, rules for interpreting their results</p>		
7.	PC-7	<p>Able to: make a differential diagnosis with other diseases/conditions including emergencies, establish a diagnosis taking into account the current international statistical classification of diseases and related health problems (ICD)</p>		<p>etiology, pathogenesis and pathomorphology, clinical aspect, differential diagnosis, clinical features, complications and outcomes of diseases of internal organs; methods of laboratory and instrumental examina-</p>	<p>analyze the results of the patient's examination, if necessary, justify and plan the scope of additional examinations; interpret the results of collecting information about the patient's disease; interpret the data obtained during the laborato-</p>	

				tions for assessing the state of health, medical indications for conducting examinations, rules for interpreting their results; ICD	ry examination of the patient; interpret the data obtained during the instrumental examination of the patient; interpret the data obtained during consultations of the patient by medical specialists; to carry out differential diagnostics of diseases of internal organs from other diseases	
8.	PC-11	Able to carry out an examination of temporary disability and work as a part of a medical commission carrying out an examination of temporary disability		the procedure for the examination of temporary disability and signs of temporary disability of the patient; the rules for registration and issue of medical documents when referring patients for specialized medical care, sanatorium treatment, medical and social examination	identify signs of temporary disability and signs of persistent impairment of body functions caused by diseases, the consequences of injuries or defects	
9.	PC-22	Able to: maintain medical records, also in the electronic form in the MIS		the legislation of the Russian Federation in the field of health protection, regulatory legal acts and other documents defining the activities of medical organizations and medical workers; rules for working in information systems and	fill out medical documentation including in the electronic form in MIS; work with personal data of patients and information constituting a medical secret; use information systems and information and telecommunication network, the Internet, in professional	

				information and telecommunications network "the Internet"; rules for registration of medical documentation in medical organizations providing outpatient medical care including medical worker's home visits	activities	
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#### 4. Volume of the academic discipline and types of academic work

Total labor intensity of the discipline is 10 CU (360 AH)

Type of educational work	Labor intensity		Labor intensity (AH) in semesters			
	volume in credit units (CU)	volume in academic hours (AH)				
Classroom work, including						
Lectures (L)						
Laboratory practicum (LP)*						
Practicals (P)						
Seminars (S)						
Student's individual work (SIW)						
Mid-term assessment						
credit/exam ( <i>specify the type</i> )						
<b>TOTAL LABOR INTENSITY</b>	<b>10</b>	<b>360</b>				

#### 5. Sections of the academic discipline and competencies that are formed

№	Competence code	Section name of the discipline
1.	UC-1, UC-4, UC-6;  GPC-1, GPC-5, GPC-7, GPC-10;  PC-1, PC-3, PC-5, PC-8,	Organization of outpatient and polyclinic care in the Russian Federation 1. Primary health care 2. Preventive health care 3. General practitioner (family doctor) 4. Organization of activity of a doctor of emergency medical aid

	PC-10, PC-19, PC-20, PC-22, PC -27;	
2.	UC-1, UC-4, UC-6;  GPC-1, GPC-5, GPC-7, GPC-10;  PC-1, PC-3, PC-5, PC-8, PC-10, PC-19, PC-20, PC-22, PC -27;	Prehospital emergency care 1. Patient resuscitation 2. Acute conditions and traumas 3. Hypertensive crisis 4. Acute myocardial infarction 5. Pulmonary edema 6. Heart rhythm disorders 7. In acute poisoning, including means of medical and non-medical use 8. Carbon monoxide poisoning 9. Hypotension, syncope 10. Comas in diabetes mellitus 11. Asthmatic attack 12. Acute cerebral circulation disorder 13. Toxic effects of alcohol and narcotic drugs 14. Frostbite 15. Heat and sunstroke 16. Chronic and acute Renal Failure 17. Acute Liver Failure
3.	UC-1, UC-4, UC-6;  GPC-1, GPC-5, GPC-7, GPC-10;  PC-1, PC-3, PC-5, PC-8, PC-10, PC-19, PC-20, PC-22, PC -27;	Differential diagnosis in the practice of the emergency physician - syndromal diagnosis 1. Abdominal pain syndrome 2. Chest pain syndrome. 3. Diarrhea syndrome 4. Bronchobstructive syndrome 5. Subfebrile and febrile syndrome 6. Catarrhal and tonsillar syndromes 7. General toxic syndrome 8. Joint syndrome 9. Anemic syndrome