

**Summary of the working program of the academic discipline
«HYGIENE»**

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

31.05.01 General Medicine

Department: **Hygiene**

1. The purpose of mastering the discipline : formation of systemic knowledge on the methodology of preventive medicine, acquisition of hygienic knowledge and skills to assess the impact of environmental factors on human and population health, participation in forming the relevant competencies (UC-1, UC-6, UC-8, GPC-2, GPC-5, GPC -11, PC-15, PC-17, PC-18, PC – 19).

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

2.1. The discipline refers to the core part of Block 1 of GEP HE (B1.O.23).

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 based on a systematic approach, develop an action strategy	IUC 1.1 Knows: methods of critical analysis and evaluation of modern scientific achievements; IUC 1.2 Able to: gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; IUC 1.3 Has practical experience: researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity	methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis	gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on action, experiment and experience	researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems
2.	UC-6	Able to identify and implement the priorities of their own activities and ways to improve them based on self-assessment and lifelong	IUC 6.1 Knows: the importance of planning long-term goals of activity taking into account conditions, means, opportunities, stages of career growth,	the importance of planning long-term goals of activity taking into account conditions, means, personal	determine the priorities of professional activity and ways to improve it on the basis of self-assessment; control and evaluate the	planning their own professional activities and self-development, studying additional educational programs

		learning	time perspective of development of activity and requirements of the labor market; IUC 6.2 Able to: determine the priorities of professional activity and ways to improve it on the basis of self-assessment; control and evaluate the components of professional activity; IUC 6.3 Has practical experience in: planning their own professional activities and self-development, studying additional educational programs	opportunities, stages of career growth, time perspective of development of activity and requirements of the labor market; technology and methodology of self-assessment; basic principles of self-education	components of professional activity; plan independent activities in solving professional problems	
3.	UC-8	Able to: create and maintain safe living conditions in everyday and professional life for the preservation of the natural environment, ensuring sustainable development of society, including in the case of a threat and occurrence of emergency situations and military conflicts	IUC 8.1 Knows: factors of harmful influence on vital activity; algorithms of actions in case of emergencies and military conflicts IUC 8.2 Able to: identify dangerous and harmful factors within the framework of its activities, create and maintain safe living conditions in everyday and professional life IUC 8.3 Has practical experience in: participation in planned exercises to work out the rules of conduct in case of emergencies, first aid	factors of harmful influence on vital activity; algorithms of actions in case of emergencies and military conflicts	identify dangerous and harmful factors within the framework of its activities, create and maintain safe living conditions in everyday and professional life	participation in planned exercises to work out the rules of conduct in case of emergencies, first aid; complies with safety regulations at the workplace
4.	GPC-2	Able to conduct and realize control of efficiency of activities for prevention, formation of the healthy lifestyle and sanitary and hygienic education of the population	IGPC 2.1 Knows: the main criteria for the healthy lifestyle and methods of its formation; forms and methods of sanitary and hygienic education among patients, medical workers; basic hygienic recreational activities that contribute to the health promotion and prevention of the most common	social and sanitary medical aspects of alcoholism, drug addiction, substance abuse, basic principles of their prevention; fundamentals of preventive medicine; stages of planning and	carry out sanitary and educational work among children and adults with the aim of forming the healthy lifestyle and prevention of the most common diseases; of children and adults (their legal representatives) conduct aimed at preserving and	formation of children and adults (their legal representatives) conduct aimed at preserving and improving the level of somatic health; formation of healthy lifestyle programs, including alcohol and tobacco consumption reduction

			<p>diseases; IGPC 2.2 Able to: conduct sanitary and hygienic education among children and adults and healthcare workers in order to form a healthy lifestyle and prevention of the most common diseases; develop and implement programs of healthy lifestyle formation, including reduction programs of alcohol and tobacco consumption, prevention and fight against non-medical narcotic drug use and psychotropic substances</p> <p>IGPC 2.3 Has practical experience in: propaganda of healthy lifestyle and prevention of the most common diseases; carrying out sanitary and educational work among children and adults; development of a preventive action plan of events and implementation of group and individual prevention of the most common diseases</p>	<p>implementation of communal programs for the prevention of the most common diseases</p>	<p>improving the level of somatic health; develop a plan of preventive measures and implement methods of group and individual prevention of the most common diseases; prescribe preventive measures to patients taking into account risk factors for prevention and early detection of diseases including cancer; carry out non-drug methods for the prevention of the most common diseases</p>	<p>programs, prevention and fight against non-medical consumption of narcotic drugs and psychotropic substances; prescription of preventive measures for children and adults taking into account risk factors, oncological and hygienic prevention in accordance with the procedures for providing medical care, clinical recommendations taking into account the standards of medical care; selection of non-drug methods for the prevention of the most common diseases</p>
5.	GPC-5	<p>Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems</p>	<p>IGPC 5.1 Knows: anatomy, histology, embryology, topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems</p> <p>IGPC 5.2 Able to: evaluate the basic morphological and functional data, physiological conditions and pathological processes in the human body</p> <p>IGPC 5.3 Has practical experience in: assessment of</p>	<p>anatomy, histology, embryology, topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems</p>	<p>evaluate the basic morphological and functional data, physiological conditions and pathological processes in the human body</p>	<p>assessment of basic morphological and functional data, physiological conditions and pathological processes in the human body when solving professional problems</p>

			basic morphological and functional data, physiological conditions and pathological processes in the human body when solving professional problems			
6.	GPC-11	Able to: prepare and apply scientific, research and production, design, management and regulatory documentation in the health care system	IGPC 11.1 Knows: scientific, research and production, design, management and regulatory documentation in the healthcare system IGPC 11.2 Able to: prepare scientific, research and production, design, management and regulatory documentation in the healthcare system	scientific, research and production, design, management and regulatory documentation in the healthcare system	prepare scientific, research and production, design, management and regulatory documentation in the healthcare system	
7.	PC-15	Able to: organize and conduct medical examinations taking into account age, health status, profession in accordance with applicable regulatory legal acts and other documents	IPC 15.1 Knows: regulatory legal acts and other documents regulating the procedures for conducting medical examinations, medical check-up and medical supervision; a list of specialist doctors involved in conducting medical examinations, medical check-up IPC 15.2 Can: conduct medical examinations taking into account age, health condition, profession in accordance with applicable regulatory legal acts and other documents	regulatory legal acts and other documents regulating the procedures for conducting medical examinations, medical check-up and medical supervision; a list of specialist doctors involved in conducting medical examinations, medical check-up	conduct medical examinations taking into account age, health condition, profession in accordance with applicable regulatory legal acts and other documents;	
8.	PC-17	Able to: conduct dispensary monitoring of patients with identified chronic non-communicable diseases and carry out medical examination of the adult population in order to early detect chronic	IPC 17.1 Knows: regulatory legal acts and other documents regulating the procedures for conducting medical examinations, medical survey and dispensary supervision; IPC 17.2 Able to: to carry out medical examination of the adult population for	principles of dispensary supervision of patients with non-communicable diseases and risk factors in accordance with regulatory legal acts and other documents;	to carry out dispensary observation of patients with identified chronic non-communicable diseases, including patients with high and very high cardiovascular risk	

		non-communicable diseases and the main risk factors for their development in accordance with current regulatory legal acts and other documents	the purpose of early detection of chronic non-communicable diseases, the main risk factors for their development;	list of specialist doctors involved in conducting medical examinations, medical survey		
9.	PC-18	Able to determine medical indications for the introduction of restrictive measures and indications for referral to a specialist doctor in the event of infectious diseases, issue and send an emergency notification to the territorial body of the Federal Service for Supervision of Consumer Rights Protection and Human Well-being when an infectious or occupational disease is detected, carry out anti-epidemic measures in the event of a focus of infection, including quarantine measures for the identification of highly dangerous infectious diseases	IPC 18.1 Knows: The legislation of the Russian Federation in the field of health protection, sanitary rules and regulations; rules for conducting sanitary and anti-epidemic measures IPC 18.2 Able to: determine medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist doctor; carry out sanitary and anti-epidemic measures in the event of a focus of infection	The legislation of the Russian Federation in the field of health protection, sanitary rules and regulations; rules for conducting sanitary and anti-epidemic measures	determine medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist doctor; carry out sanitary and anti-epidemic measures in the event of a focus of infection	
10.	PC-19	Able to: form healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat non-medical use of narcotic drugs and psychotropic substances	IPC 19.1 Knows: forms and methods of sanitary and educational work on the formation of elements of the healthy lifestyle IPC 19.2 Able to: develop and implement programs for the formation of the healthy lifestyle	forms and methods of sanitary and educational work on the formation of elements of the healthy lifestyle	develop and implement programs for the formation of the healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevention and control of non-medical use of narcotic drugs	

					and psychotropic substances	
--	--	--	--	--	-----------------------------	--

4. Volume of the academic discipline and types of academic work

Total labor intensity of the discipline is 7 CU (252 AH).

Type of educational work	Labor intensity		Labor intensity (AH) in semesters	
	volume in credit units (CU)	volume in academic hours (AH)	4	5
Classroom work, including	3,7	132	66	66
Lectures (L)	0,8	28	14	14
Laboratory practicum (LP)*	-	-	-	-
Practicals (P)	2,9	104	52	52
Seminars (S)	-	-	-	-
Student's individual work (SIW)	2,3	84	42	42
Mid-term assessment				
exam	1	36	-	36
TOTAL LABOR INTENSITY	7	252	108	144

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

№	Competence code	Section name of the discipline
1.	UC-1, UC-6, UC-8, GPC-2, GPC-5, PC – 19	Environmental health
2.	UC-1, UC-6, UC-8, GPC-2, GPC-5, GPC -11, PC-15, PC-17, PC-18, PC – 19	Nutrition hygiene
3.	UC-1, UC-6, UC-8, GPC-2, GPC-5, GPC -11, PC-15, PC-17	Occupational medicine
4.	UC-1, UC-6, UC-8, GPC-2, GPC-5, GPC -11, PC-15, PC-17, PC – 19	Children hygiene
5.	UC-1, UC-6, UC-8, GPC-2, GPC-5, GPC -11, PC-18	Hospital hygiene