

ЛД-16 ИН

Federal State Budgetary Educational Institution of Higher Education

«North-Ossetia State Medical Academy»

of the Ministry of Healthcare of the Russian Federation

APPROVED

Rector of FSBEI HE NOSMA

MOH Russia

O.V. Remizov

31 August 2020



**EDUCATIONAL TRAINING PROGRAM OF DISCIPLINE
"HYGIENE"**

the main professional educational program of higher education - specialty program in the
specialty 31.05.01 General Medicine, approved in August 31, 2020

Form of education _____ Full-time

The period of development _____ 6

Department of _____ general hygiene and physical culture

Vladikavkaz, 2020

When developing an educational training program, the discipline is based on:

1. Federal State Educational Standard of Higher Education on specialty 31.05.01 General Medicine, approved by the Ministry of Education and Science of the Russian Federation on February 9, 2016 №95
2. Academic plan on specialty 31.05.01 General Medicine,
ЛД-16-01-16 ИИ
ЛД-16-02-17 ИИ
ЛД-16-03-18 ИИ
ЛД-16-04-19 ИИ
ЛД-16-05-20 ИИ

approved by the Scientific Council of the Federal State Budgetary Educational Institution of Higher Education «North-Ossetia State Medical Academy» of the Ministry of Healthcare of the Russian Federation "31" august 2020, Protocol № 1.

The educational training program of the discipline was approved at a meeting of the general hygiene and physical culture from "27" august 2020, Protocol №. 1

The educational training program of the discipline was approved at a meeting of the central coordinating training and methodological council from "28" august 2020, Protocol №. 3

The educational training program of the discipline was approved by the Scientific Council of the State Medical University of the Federal State Budgetary Educational Institution of Higher Education «North-Ossetia State Medical Academy» of the Ministry of Healthcare of the Russian Federation from "31" august 2020, Protocol № 1.

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5. The content of discipline structured on subjects (sections) with the indication of the number of the class or astronomical clock and types of studies which is taken away on them;
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2. The list of planned results of training in the discipline and the results of mastering of the educational program

n/№	Number/Index competences	Content of the discipline (or its sections)	The results of the mastering		
			know	be able to	master
1	2	3	4	5	6
1	PC-1	Environment and its effect on the body	Environment factors, features of their influence on the body. Regulatory documents used in hygiene.	To identify and characterize environmental factors that have a positive and negative impact on the body in specific conditions of life.	Methods for evaluating indicators of physical factors of the air environment, microclimate, illumination, drinking water quality, determination of the bio-dose of ultraviolet radiation.
	PC-16		Fundamentals of preventive medicine and sanitary and educational work.	Conduct hygienic education and training of the population to create optimal living conditions, eliminate environmental risk factors for health	Methods of conducting sanitary-educational work.
2.	GC-4	Natural and anthropogenic changes in the environment	Features and mechanisms of influence of various environmental factors on the body and their manifestations at the prenosological level. Diseases associated with adverse effects of environmental factors. Fundamentals of preventive medicine and sanitary and educational work.	To evaluate the early morphological and functional changes that occur in human organism under the influence of environmental factors. Conduct hygiene education and training of various categories populations	Methods of hygienic diagnostics. Various technologies for conducting sanitary and educational work.
	PC-1		Features and nature of the impact of natural and anthropogenic changes in the environment on the body, their manifestations at the pre-nosological level. Diseases associated with exposure to harmful environmental factors.	To use the requirements of normative documents for the assessment of environmental factors and development of preventive measures. Evaluate morphofunctional changes that occur in the human body under the influence of various environmental factors	Methods of system analysis of medical information. Methods of hygienic diagnostics, analysis of cause-and-effect relationships
	PC-16		Fundamentals of preventive medicine and sanitary and educational work.	Conduct ecological and hygienic education and training of various categories populations.	Various technologies for conducting sanitary and educational work.
3.	GC-4	Hygienic and environmental	Features of the impact of factors of the modern metropolis on the body and their	Identify and evaluate adverse factors affecting human health in a modern	Methods of system analysis of medical information.

		problems of the modern city	manifestations at the prenosological level. Diseases associated with adverse effects factors of the urban environment. The basics sanitary and educational work.	city. Implement preventive measures to preserve and strengthen the health of the population. Conduct hygiene education and training for various categories of the population.	Methods for evaluating environmental factors.
	PC-1		Regulatory documents used in hygiene. Features of the impact of factors of the modern metropolis on the body. Diseases associated with adverse effects factors of the urban environment	To use the requirements of normative documents for the assessment of environmental factors and development of preventive measures. Identify and evaluate adverse factors affecting human health in a modern city. Implement preventive measures to preserve and strengthen the health of the population	Methods of system analysis of medical information. Methods for assessing environmental factors, analyzing cause-and-effect relationships between environmental factors and public health
	PC-16		Basics of sanitary and educational work with the population	Conduct ecological and hygienic education and training of various categories of the population on environmental health	Various technologies for organizing sanitary and educational work.
4	PC-1	Nutrition as a factor of preserving and strengthening health	The importance of food substances in ensuring the vital activity of the body. The impact of nutrition on human health. The importance of food substances in ensuring the vital activity of the body. Diseases and health disorders associated with poor nutrition. Nutritional and biological value of the main products of animal and plant origin. Prevention of food poisoning, risk factors for gastrointestinal diseases. Basics of rational nutrition. Nutritional and biological value of basic foodstuffs. Diseases associated with nutritional disorders. Food poisoning, their classification, features of diagnosis and prevention.	Characterize the positive and negative effects of nutrition on the body. Evaluate the nutritional value of various population groups. To estimate quality of food products. Conduct an investigation. poisoning; to carry out sanitary educational work on their prevention. Use the requirements of regulatory documents to assess the nutritional value and quality of food products. Carry out sanitary and educational work among various population groups on the issues of rational nutrition.	Methods for assessing the nutritional value of various groups of the population. Methods of sanitary and hygienic examination of food products, prevention food poisoning.
	PC-15		The importance of the nutrition factor for	Evaluate the nutritional value of	Methods of assessing the nutritional

			human health. The value of the macro-and micronutrient composition of food in ensuring the vital activity of the body. Prevention of food poisoning.	various population groups. To estimate quality of food products. Conduct an investigation poisonings'; Evaluate the positive and negative impact of nutrition on the body of a healthy and sick person.	value of various groups of the population, sanitary and hygienic examination of food products, investigation food poisoning. Methods for evaluating the diet, diagnosing pre-nosological manifestations associated with nutritional disorders
	PC-16		Basics of sanitary and educational work with various groups of the population	Conduct an investigation-educational work on the following issues organization of rational nutrition, prevention of food poisoning.	Technologies for organizing preventive work with the population on nutrition issues Various technologies for organizing sanitary and educational work.
5.	PC-1	Labour as an integral part of human existence and its positive and negative influence on human health	Fundamentals of occupational hygiene and physiology. The main hazards encountered in production, classification of working conditions, mechanisms of influence of industrial and professional factors on the body of workers, the main directions of prevention of harmful effects.	Assess the adverse factors of the production environment, develop a set of health measures in the workplace.	Methods for evaluating factors of the labor process and the production environment that affect the health of employees, functional shifts in the body at work. Methods of conducting sanitary-educational work.
	PC-15		Fundamentals of occupational hygiene and physiology. The main hazards encountered in production, classification of working conditions, the nature of the impact of industrial and professional factors on the body of workers, the main directions of prevention of harmful effects.	Assess the adverse factors of the production environment, develop a set of health measures in the workplace	Methods for evaluating factors of the labor process and the production environment that affect the health of employees, functional shifts in the body at work.
	PC-16		Basics of sanitary and educational work	Conduct sanitary and educational work on occupational health, health-improving measures at work, and prevention of occupational diseases	Methods of conducting sanitary-educational work.

6.	PC-1	Medical hygiene preventive institutions	Basic hygiene requirements for the placement and internal layout of medical devices. Environmental factors of health care facilities that affect patients and staff of medical organizations. Health disorders associated with adverse effects of factors in the hospital environment.	Analyze and conduct a sanitary examination of a typical project of medical institutions. Identify and characterize the impact of factors on the health of the hospital environment, perform the necessary preventive measures. To carry out preventive actions for the prevention of nosocomial infection. Conduct sanitary and educational work in health care facilities.	Methods for evaluating health care projects. Methods of specific and non-specific prevention of VBI.
	PC-15		Basic hygiene requirements for the placement and internal layout of medical equipment. Environmental factors that affect patients and medical professionals. Health disorders associated with adverse effects of factors in the hospital environment.	Conduct a sanitary examination of a typical project of medical institutions. Identify and characterize the impact of factors on the health of the hospital environment, perform the necessary preventive measures. To carry out preventive actions for the prevention of nosocomial infection	Methods for evaluating LPO projects. Methods of specific and non-specific prevention of VBI.
	PC-16		Basics of sanitary and educational, preventive work	Organize sanitary and educational work in LPO.	Technologies for organizing preventive work with the population
7.	PC-1	Hygienic bases for ensuring normal development and high level of health of the child population	Basic legislation and regulations for the protection of children's health. Anatomical and physiological features of the body of children and adolescents, the main patterns of growth and development. Factors that shape the health of children and adolescents. Diseases and health disorders associated with exposure to harmful environmental factors.	Evaluate the physical development and health status of children and adolescents. Identify, characterize and evaluate factors that have a positive and negative impact on the body of children and adolescents in specific conditions of life.	Methods of research and evaluation of physical development of children and adolescents. Methods for assessing environmental factors that affect the health of children and adolescents.
	PC-15		Fundamentals of preventive medicine, organization of preventive measures aimed at improving the health of children and adolescents and forming a healthy	To control and organize preventive measures to improve the environment and improve the health of children.	Technologies for carrying out preventive measures to improve the environment and strengthen the health of children

			lifestyle		
	PC-16		Basics of sanitary and educational, preventive work with children, adolescents and their parents	Conduct sanitary and educational work among children, adolescents and their parents.	Methods of sanitary and educational work with children, adolescents and their parents.
8.	GC-4	Hygiene in extreme situations and disasters	Types of emergencies and catastrophes, conditions and causes of their occurrence, characteristics.	Organize sanitary and hygienic measures in certain emergencies and catastrophes.	Methods of hygienic assessment of environmental factors in emergencies and catastrophes.
	PC-1		The specifics of people's accommodation, catering and water supply in emergency situations and catastrophes	Carry out prevention of negative health consequences due to pollution of environmental objects.	Methods of hygienic assessment of environmental factors in emergency situations and catastrophes
	PC-16		Basics of sanitary and educational, preventive work with various groups of the population	Carry out sanitary and educational, preventive work with various groups of the population	Technologies for organizing preventive work with the population

3. The place of discipline in structure of the educational program

The discipline "Hygiene" belongs to the VO Block 1 FGOS in the specialty 31.05.01 "Medical business", is studied in the fourth and fifth semester.

4. Discipline volume

№ /p	Type of work		In total test units	In total hours	Semester	
					№ IV	№ V
					hours	hours
1	2		3	4	5	6
1	Contact work of students with teacher (everything), including:		-	146	68	78
2	Lectures (L)		-	38	20	18
3	Practical lessons (PL)		-	108	48	60
4	Seminars (C)		-	-	-	-
5	Laboratory Works (LW)		-	-	-	-
6	Independent Work of the Student (IWS)		-	70	40	30
7	Type of intermediate certifications					
		examination (E)	examination	36	-	36
8	TOTAL: The general labor input	hours		252	108	144
		ZET	7,0		3,0	4,0

5. Content of discipline

№№ п/п	№ semester	Name of a subject (section) of discipline	Types of educational activity (in hours)				Forms of the current control of progress
			L	PZ	CPC	IN TOTAL	
1	2	3	4	5	6	7	8
1	IV	1. Environment and its influence on an organism. 2. Natural and anthropogenous changes of the environment. 3. Hygienic and environmental problems of the modern city	12	22	18	52	WITH, TZ, SZ
2	IV	4. Food as factor of preservation and strengthenings of health	8	26	22	56	WITH, TZ, SZ
3	V	5. Work as integral part of existence of the person and his positive and negative influence on health.	8	18	12	38	WITH, TZ, SZ
4	V	6. Hygiene medical preventive institutions	4	10	4	18	WITH, TZ, SZ
5	V	7. Hygienic bases of ensuring normal development and high level of health of the children's population	6	20	10	36	WITH, TZ, SZ
6	V	8. Personal hygiene and its role in preservation of health and optimum life expectancy of people	-	12	4	16	WITH, TZ, SZ
		TOTAL:	38	108	70	216	

6. List of educational and methodological support for independent work of students in discipline

№/n	Semester number	Name of the teaching methodical development
1.	IV	A.R. Kusova, E.G. Cyldas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English "Methods for the integrated assessment of the effect on the body of meteorological factors. Hygienic problems of the air environment". 2016.
2.	IV	A.R. Kusova, E.G. Cyldas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English "Solar radiation and its hygienic value."2016.
3.	IV	A.R. Kusova, E.G. Cyldas. Methodical recommendations for practical classes for students of the medical faculty involved in the educational program partially implemented in English "Ecological and hygienic problems of the hydrosphere."2016.
4.	IV	A.R. Kusova, E.G. Cyldas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English" Ways to improve the quality of water."2016.
5.	IV	A.R. Kusova, E.G. Cyldas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English "Fundamentals of rational nutrition."2016.
6.	IV	A.R. Kusova, E.G. Cyldas. Educational-methodical manual for practical classes for students of the medical faculty, involved in the educational program partially implemented in English "The quality and safety of food. Food poisoning and their prevention. " 2016.
7.	IV	A.R. Kusova, E.G. Cyldas. Methodical recommendations for practical classes for students of the medical faculty involved in the educational program partially implemented in English "Ecological and hygienic soil problems". 2016.
8.	V	A.R. Kusova, E.G. Cyldas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English "The use of anthropometric methods in the" Hygiene of Children and Adolescents ". 2016.
9.	V	A.R. Kusova, E.G. Cyldas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English Tempering of children and adolescents."2016.
10.	V	A.R. Kusova, E.G. Cyldas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English "Physical education of children and adolescents."2016.
11.	V	A.R. Kusova, E.G. Cyldas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English "Fundamentals of labor physiology. Occupational hazards and health measures in the workplace ". 2016.
12.	V	A.R. Kusova, E.G. Cyldas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English "Hygienic assessment and methods for studying noise and vibration."2016.
13.	V	A.R. Kusova, E.G. Cyldas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English "Hygienic assessment of industrial dust."2016.
14.	V	A.R. Kusova, E.G. Cyldas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English "Production factors of chemical nature."2016.

15.	V	A.R. Kusova, E.G. Cylidas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English "Hygiene of medical and preventive organizations". 2016.
16.	V	A.R. Kusova, E.G. Cylidas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English "Fundamentals of radiation hygiene."2016.
17.	V	A.R. Kusova, E.G. Cylidas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English «Fundamentals of occupational medicine» 2018
18.	V	A.R. Kusova, E.G. Cylidas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English «Influence of production factors on the body of workers, prevention of their adverse effects» 2018
19.	V	A.R. Kusova, E.G. Cylidas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English «Methods of hygienic assessment of physical development of children and adolescents» 2018
20	V	A.R. Kusova, E.G. Cylidas, I.K. Bitarova Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English «Drinking water. Hygiene of water supply of populated areas» 2020
21	V	A.R. Kusova, E.G. Cylidas, A.R.Nanieva Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English «Drinking Water Quality improvement methods» 2020
22	V	E.G. Cylidas. Methodical recommendations for practical classes for students of the medical faculty engaged in the educational program partially implemented in English «Healthyifestyle» 2020

7. Fund of estimated means for carrying out intermediate certification of students for discipline

№/п	List of competences	№ semester	Indicator(s) estimations	Criterion(a) of Estimation	Estimation scale	Name FOS
1	2	3	4	5	6	7
1	OK-4 -ability to act in non-standard situations, to bear social and ethical responsibility for the decisions made	IV–V	See the standard of assessment of quality of education. The order of SEI VPO SOGMA Russian Ministry ofHealth of 20.08.2014, No. 211/about 10.07.2018 г., № 264/o	See the standard of assessment of quality of education. The order of SEI VPO SOGMA Russian Ministry ofHealth of 20.08.2014, No. 211/about 10.07.2018 г., № 264/o	See the standard of assessment of quality of education. The order of SEI VPO SOGMA Russian Ministry ofHealth of 20.08.2014, No. 211/about 10.07.2018 г., № 264/o	Test tasks, situational tasks, exam tickets
2	PK-1 - ability and readiness for implementation of a complex of the actions directed to preservation and promotion of health and including formation of a healthy lifestyle, the prevention of emergence and (or) spread of diseases, their early diagnosis, identification of the reasons and conditions of their emergence and development, and also directed to elimination of an adverse effect on health of the person of factors of the environment of his dwelling	IV–V	See the standard of assessment of quality of education. The order of SEI VPO SOGMA Russian Ministry ofHealth of 20.08.2014, No. 211/about 10.07.2018 г., № 264/o	See the standard of assessment of quality of education. The order of SEI VPO SOGMA Russian Ministry ofHealth of 20.08.2014, No. 211/about 10.07.2018 г., № 264/o	See the standard of assessment of quality of education. The order of SEI VPO SOGMA Russian Ministry ofHealth of 20.08.2014, No. 211/about 10.07.2018 г., № 264/o	Test tasks, situational tasks, exam tickets
3	PK-15 - readiness to train patients and their relatives in basic hygienic measures of a recreational nature, skills of self-monitoring of basic physiological indicators, contributing to thealth, the prevention of diseases	IV–V	See the standard of assessment of quality of education. The order of SEI VPO SOGMA Russian Ministry ofHealth of 20.08.2014, No. 211/about 10.07.2018 г., № 264/o	See the standard of assessment of quality of education. The order of SEI VPO SOGMA Russian Ministry ofHealth of 20.08.2014, No. 211/about 10.07.2018 г., № 264/o	See the standard of assessment of quality of education. The order of SEI VPO SOGMA Russian Ministry ofHealth of 20.08.2014, No. 211/about 10.07.2018 г., № 264/o	Test tasks, situational tasks, exam tickets
4	PK-16 - readiness for educational activities for elimination of risk factors and formation of skills of a healthy lifestyle.	IV–V	See the standard of assessment of quality of education. The order of SEI VPO SOGMA Russian Ministry ofHealth of 20.08.2014, No. 211/about 10.07.2018 г., № 264/o	See the standard of assessment of quality of education. The order of SEI VPO SOGMA Russian Ministry ofHealth of 20.08.2014, No. 211/about 10.07.2018 г., № 264/o	See the standard of assessment of quality of education. The order of SEI VPO SOGMA Russian Ministry ofHealth of 20.08.2014, No. 211/about 10.07.2018 г., № 264/o	Test tasks, situational tasks, exam tickets

8. Перечень основной и дополнительной учебной литературы, необходимой для освоения дисциплины

п/№	Наименование	Автор (ы)	Год, место издания	Кол-во экземпляров	
				в библиотеке	на кафедре
1	2	3	4	5	6
Основная литература					
1.	General hygiene	Th. Storey	New York, 1920	40	2
Дополнительная литература					
2.	Гигиена: учебник	Румянцев Г.И.	М.: ГЭОТАР 2009	150	2
				«Консультант студента» http://studmedlib.ru/ru/book/ISBN9785970428627.html	
3.	Гигиена и основы экологии человека: учебник	Пивоваров Ю.П., Королик В.В., Зиневич Л.С.	М.: Академия, 2004, 2006, 200	37	-
4.	Руководство к лабораторным занятиям по гигиене и основам экологии человека	Пивоваров Ю.П., Королик В.В.	М.: Академия, 2008	193	1
5.	Гигиена. Compendium: учебное пособие	Архангельский В.И. Мельниченко П. И.	М.: ГЭОТАР-Медиа, 2012	16	1
6.	Гигиена труда: учебник	Ред. Измерова Н.Ф.	М.: ГЭОТАР-Медиа, 2010	30	2
			М.: ГЭОТАР-Медиа, 2008	52	2
7.	Гигиена труда. Руководство к практическим занятиям: учебное пособие	Кирюшин В.А., Большаков А.М., Моталова Т.В.	М.: ГЭОТАР-Медиа, 2011	32	1
8.	Коммунальная гигиена, т. 1: учебное пособие	Под редакцией Мазаева В.Т.	М.: ГЭОТАР-Медиа, 2006	21	1
9.	Гигиена питания: учебник	Королев, А. А.	М.: Академия, 2006, 2014	63	2
10.	Гигиена детей и подростков: учебник	Кучма В.Р.	М.: ГЭОТАР-Медиа, 2013	2	1
			М.: Медицина 2010	53	1

Заведующий библиотекой
ФГБОУ ВО СОГМУ
Минздрава России

В. Кучма

9. List of resources of the Internet, necessary for development of discipline "Student's consultant"

<http://www.studmedlib.nj/nj/book/ISBN9785970426234.html>
<http://www.studmedlib.nj/nj/book/ISBN9785970413821.html>
<http://www.studmedlib.m/m/book/ISBN9785970426425.html>
<http://www.studmedlib.nj/nj/book/ISBN9785970420423.html>
<http://www.studmedlib.nj/nj/book/ISBN9785970418444.html>
<http://www.studmedlib.nj/nj/book/ISBN9785970415931.html>
<http://www.studmedlib.nj/nj/book/ISBN9785970422441.html>
<http://www.studmedlib.nj/nj/book/ISBN9785970416464.html>
<http://www.studmedlib.nj/nj/book/ISBN5225046916.html>
<http://www.studmedlib.nj/nj/book/ISBN9785970408520.html>
<http://www.studmedlib.nj/nj/book/ISBN9785970414835.html>
<http://www.studmedlib.nj/nj/book/ISBN9785970411698.html>

10. Methodical instructions for students on development of discipline

Training consists of the contact work (146 h) including a lecture (38 h) course and a practical training (108h) and independent work (70 h)

According to modern requirements wide use in educational process of active and interactive forms of training (computer simulations, business and role-playing games, analysis of specific situations, the solution of situational tasks, group discussions) in combination with out-of-class work with the purpose of formation and development of professional skills of students is provided. Specific weight of the classes given in interactive forms makes 12% of contact work .

Independent work of students means preparation for a practical training and includes studying of special literature on a subject (the recommended textbooks, methodical grants, also acquaintance with the materials published in monographs, specialized magazines on the recommended medical websites is desirable). Work with educational literature is considered as a type of study on discipline and is carried out within the hours allotted on its studying. Each student is provided with access to library stocks of department and higher education institution.

According to each section at department methodical recommendations for students, and also methodical instructions for teachers are developed.

Independent work with literature, writing of papers create ability to analyze medical and social problems, ability to use in practice of natural-science, medicobiological and clinical sciences in different types of professional and social activity.

Different types of study, including independent work of the student, promote mastering culture of thinking, ability in written and oral speech it is logically correct to issue its results; readiness for formation of system approach to the analysis of medical information, perception of innovations; create ability and readiness for self-improvement, self-realization, a personal and subject reflection.

Different types of educational activity create ability in the conditions of development sciences and practitioners to revaluation of the accumulated experience, the analysis of the opportunities, ability to acquire new knowledge, to use various forms of education, information and education technologies.

Initial level of knowledge of students is defined by testing, the current control of assimilation of a subject is defined by oral poll during a practical training, at the solution of standard situational tasks and test control tasks.

Final control of knowledge is carried out at examination on a basis to rating system in the form of an interview, test poll and control of practical skills.

11. The list of the information technologies used at implementation of educational process on discipline

Seme ster	Type of occupation s L, P, I	Used educational technologies (active, interactive)	Quantity hours	% of occupations to interaktive form	List of the software
IV	L	Questions and tasks (sets of tasks) for an interactive lecture, problem lecture, debate in FOS, methodical recommendations for teachers	20	6	Microsoft Office Power Point Acrobat Reader Internet Explorer
	P	Questions and tasks (sets of tasks) for a round table, role-playing and business games, brainstorming in FOS, methodical recommendations for teachers	48	6	Information and legal Guarantor system of Microsoft Office Power Point Acrobat Reader Internet Explorer
	I	Questions and tasks (sets of tasks) for a round table, role-playing games, brainstorming, educational and research work, etc. in FOS, methodical recommendations for teachers	40	4	Information and legal Consultant system Information and legal Guarantor system of Microsoft Office Power Point
V	L	Questions and tasks (sets of tasks) for an interactive lecture, problem lecture, debate in FOS, methodical recommendations for teachers	18	6	Microsoft Office Power Point Acrobat Reader Internet Explorer
	P	Questions and tasks (sets of tasks) for a round table, role-playing and business games, brainstorming in FOS, methodical recommendations for teachers	60	6	Information and legal Guarantor system of Microsoft Office Power Point Acrobat Reader Internet Explorer
	I	Questions and tasks (sets of tasks) for a round table, role-playing games, brainstorming, educational and research work, etc. in FOS, methodical recommendations for teachers	30	4	Information and legal Consultant system Information and legal Guarantor system of Microsoft Office Power Point
Total			216	32	

12. Description of the material and technical resources necessary for implementation educational process on discipline

The basis for department of the general hygiene and physical culture is located in the educational case No. 2 of State-funded educational institution of higher education "The North Ossetian state medical academy" of the Russian Ministry of Health.

The division of department of the general hygiene is located in the case No. 2, on the third floor. The total area of educational and laboratory base makes 2226.57 sq.m, including 189.8 sq.m - educational, 194.1 sq.m - educational and auxiliary.

Educational rooms are repaired, conform to sanitary and hygienic requirements.

№/п	Name of the equipment	Quantity	Technical condition
1	2	3	4
Special equipment			
1.	Computer	5	good
2.	Laptop	1	good
3.	Projector	1	bad
4.	Screen	3	good
5.	Copy equipment	4	good
6.	Meteoospreys	1	good
7.	Actinometer	1	good
8.	Hygrometer	2	good
9.	Psychrometer	1	good
10.	The areometer for milk	3	good
11.	The audio-noise meter is pulse	4	good
12.	Scales are analytical	1	good
13.	Bellow valve aspirator	1	good
14.	Height meter	1	good
15.	Scales are medical	1	good
16.	Dynamometers	4	good
17.	Desks	10	good
18.	School desks	30	good
19.	Chairs	49	good
20.	Board	5	good
Tables			
1.	Tables on hygiene of food, on indicators of quality of water and the organization of water supply, on occupational health, a physics health, hygiene of children and teenagers	More 70	good
2.	Projects of hospitals with the master plan and floor-by-floor explications	More 15	good
3.	Sets of situational tasks, test tasks on the studied subjects	More 100	good

13. Conducting educational activities using e-learning and distance learning technologies

In the context of the introduction of restrictive measures (quarantine) associated with an unfavorable epidemiological situation, the threat of the spread of a new coronavirus infection and other force majeure events that do not allow full-time training, it is possible to study this discipline or part of it using e-learning and distance educational technologies.

Teaching the discipline in the above situations will be carried out through the development of an electronic course with access to video lectures and interactive course materials: presentations, articles, additional materials, tests and various assignments. When conducting training sessions, monitoring progress, as well as intermediate certification of students, platforms of the electronic information and educational environment of the academy and / or other e-learning systems recommended for use in the academy, such as Moodle, Zoom, Webinar, etc.

Lectures can be presented in the form of audio, video files, "live lectures", etc.

Conducting seminars and practical classes is possible on-line in both synchronous and asynchronous modes. Seminars can be conducted in the form of web conferences.