



MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN FEDERATION
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Far Eastern Federal University
(FEFU)

INSTITUTE OF LIFE SCIENCES AND BIOMEDICINE (SCHOOL)



CLAIM

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Sciences and Biomedicine
(Schools)


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Collection
annotations of the work programs of the disciplines

FIELD OF STUDY

32.04.01 Public Health

**Profile "Leadership and governance in public health (program in English for
foreign citizens)"**

Mode of study: full-time

Standard term of the program

(full-time): 2 years

Year of preparation: 2023

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Annotation to the Work Program of the Discipline "Foreign Language for Special Purposes"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 4 CU (144 hours). The curriculum provides for practical classes (72 hours) and independent work (72 hours, of which 27 hours are for exam preparation). Assessment of learning outcomes: 1 semester credit, 2 semester exam.

Goals and objectives of mastering the discipline:

Purpose:

- mastery of a foreign language by a Master's student as a means of solving professional problems in an interlingual environment;
- formation of foreign language language and speech competencies that allow them to independently read and translate English-language literature in the chosen specialty, to format the extracted information in the form of translation, annotation, abstract (abstract-synopsis, abstract-resume, review abstract) from English-language sources.

Tasks:

1. Improvement and further development of foreign language competencies in various types of speech communication obtained at higher school.
2. Development of such communicative skills that allow the effective use of a foreign language as a means of solving professional problems in an interlingual environment;
3. Development of intercultural competence, which involves the formation of an idea of the world as a single space in all the diversity of national cultures, where a foreign language acts as an important means of international communication; fostering tolerance of thinking, culture of interaction, understanding of common tasks, which will contribute to the successful social adaptation of a specialist abroad and his effective activity.

As a result of studying this discipline, students form the following universal and general professional competencies (elements of competencies).

Universal competencies of graduates and indicators of their achievement:

Name of the category (group) of universal competencies	Universal Competency Code and Name (result of mastering)	Code and name of the competency indicator
Communication	UK-4 Able to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction	UK-4.1 Ability to use/apply learned special terms and grammatical constructions to work with original texts of an academic and professional nature UK-4.2 Ability to lexically correctly, competently, logically and consistently generate oral and written statements in situations of academic and professional interaction UK-4.3 Ability to form and defend one's own judgments and scientific positions in a foreign language in situations of academic and professional interaction
Cross-cultural interaction	UK-5 Able to analyze and take into account the diversity of cultures in the process of intercultural interaction	UK-5.1 Knows the principles of organizing public events to solve the problems of professional activity in the process of intercultural interaction UK-5.2 Able to personally participate in public events with the ability to solve problems on IT technologies in the process of intercultural interaction UK-5.3 Proficient in the methods of organizing public events to solve the problems of professional activity, including in the process of intercultural interaction

General professional competencies of graduates and indicators of their achievement:

Name of the category (group) of general professional competencies	Code and name of general professional competence (result of mastering)	Code and name of the competency indicator
Organization of public events	OPK-5 Ability to organize public events to solve problems of professional activity, including with international partners	OPK-5.1 Knows the principles of organizing public events with the ability to solve problems on IT technologies with international partners OPK-5.2 Able to take personal part in public events with the ability to solve problems on IT technologies with international partners OPK-5.3 Proficient in the methods of organizing public events to solve the problems of professional activity, including with international partners

UK-4 Ability to apply modern communication	Knows	principles of communication for solving problems of professional activity, including in foreign languages for professional interaction
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technologies, including in foreign language(s), for academic and professional interaction	Can	solve the problems of professional activity using foreign languages
	Owns	skills in solving problems of professional activity, including the use of communicative technologies, taking into account the knowledge of a foreign language
UK-5 Ability to analyze and take into account the diversity of cultures in the process of intercultural interaction	Knows	Principles of Scientific and Professional Communication in a Foreign Language Environment with the Use of Foreign Language Knowledge in the Process of Intercultural Interaction
	Can	use a foreign language in professional activities, evaluate foreign language publications
	Owns	Information on health problems in foreign literature, skills of free scientific and professional communication in a foreign language environment
OPK-5 ability to organize public events to solve the problems of professional activity, including with international partners	Knows	principles of organizing public events to solve the problems of professional activity, including with international partners
	Can	take part in public events to solve the problems of professional activity, including with international partners
	Owns	skills of ability and readiness to organize public events to solve the problems of professional activity, including with international partners

For the formation of the above competencies within the framework of the discipline "Foreign language for special purposes", the following methods of active/interactive learning are used: practical classes - dispute, round table (preparation and discussion of essays), debates, essays.

Annotation of the work program of the academic discipline "Health Research Methodology"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 2 z.u. (72 hours). The curriculum includes lectures (18 hours) and independent work (54 hours). Assessment of learning outcomes: 1 semester credit.

Goals and objectives of mastering the discipline:

Purpose:

The study of the discipline is the acquisition of theoretical knowledge by masters and the formation of skills and abilities in conducting, organizing and performing scientific work.

Tasks:

- acquaintance with the history of medical science;
- study of the main directions and methods of scientific research in health care;
- Acquisition of knowledge in the preparation of research papers and programs.
- Mastering the skills of performing research work.

As a result of studying this discipline, students form the following **universal and general professional** competencies (elements of competencies).

Universal competencies of graduates and indicators of their achievement:

Name of the category (group) of universal competencies	Universal Competency Code and Name (result of mastering)	Code and name of the competency indicator
Project development and implementation	UK-2 Able to manage the project at all stages of its life cycle	UK-2.1 Carries out scientific research using modern ideas UK-2.2 Able to independently lead a team of authors in scientific professional activities UK-2.3 Mastered the main points of the leader's work, teamwork, issues of modern law in medical practice
Teamwork & Leadership	UK-3 Able to organize and lead the work of the team, developing a team strategy to achieve the set goal	UK-3.1 Knows the main provisions and norms of the leading branches of law for the protection of the professional activities of medical workers UK-3.2 Is able to solve practical problems of forming a culture of professional communication between a doctor and patients, colleagues and the management of a medical organization UK-3.3 Possesses the skills of preparing proposals on certain issues of improving moral norms in the activities of medical organizations

General professional competencies of graduates and indicators of their achievement:

Name of the category (group) of general professional competencies	Code and name of general professional competence (result of mastering)	Code and name of the competency indicator
Scientific and organizational activities	OPK-1 Ability to prepare and apply scientific, scientific, production, project, organizational, managerial and regulatory documentation in the health care system	OPK-1.1 Knows the basics of the application of scientific, scientific and production, project, organizational, managerial and regulatory documentation OPK-1.2 Knows how to use scientific, scientific, production, project, organizational, managerial and regulatory documentation in the health care system OPK-1.3 Knows how to organize work on the use of scientific, production, design, organizational, managerial and regulatory documentation in the health care system

Code and Competency Statement	Stages of competence formation	
UK-2 Ability to generate ideas in scientific and professional activities	Knows	Principles of R&D Project Development
	Can	apply knowledge to the development of a scientific project as part of a team of authors
	Owns	skills in the development of scientific projects as part of a team of authors
UK-3 Able to organize and lead the work of a team, developing a team strategy to achieve a set goal	Knows	the concepts of leadership, teamwork, responsibility, modern aspects of medical law, the main provisions and norms of the leading branches of law (civil, family, labor, administrative law), as guarantors of ensuring the rights and legitimate interests of citizens of the Russian Federation in the field of health care
	Can	work in a team, able to act within the framework of agreed goals and objectives; is able to take personal responsibility and leadership in the planning and implementation of professional activities - adequately apply the necessary norms of law in their professional activities and in the work of health care institutions, - solve practical problems to form a culture of professional communication between a doctor and patients, colleagues and management
	Owns	the concepts of leadership, teamwork, responsibility, modern aspects of medical law, the main provisions and norms of the leading branches of law (civil, family, labor, administrative law), as guarantors of ensuring the rights and legitimate interests of citizens of the Russian Federation in the field of health care
OPK-1 Ability to prepare and apply scientific, scientific-production, project, organizational, managerial and regulatory documentation in the health care system	Knows	Principles of preparation and application of scientific, scientific and production, project, organizational, managerial and regulatory documentation
	Can	prepare scientific, research and production, project, organizational, managerial and regulatory documentation on accounting and auditing
	Owns	skills in the preparation of scientific, scientific and production, project, organizational, managerial and regulatory documentation on accounting and auditing

To form the above competencies within the framework of the discipline "Health Research Methodology", the following methods of active/interactive learning are used: lectures – conferences, problem lectures, lectures-visualizations.

Annotation of the work program of the academic discipline "Providing emergency medical care"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 2 z.u. (72 hours). The curriculum includes lectures (18 hours), practical classes (18 hours) and independent work (36 hours). Assessment of learning outcomes: 1 semester credit.

Goals and objectives of mastering the discipline:

Purpose:

study of theoretical issues of medical care for the most common diseases and lesions **in emergency situations, consolidation and improvement of theoretical knowledge and norms of medical ethics, acquisition of skills and practical skills in providing first aid to suddenly ill and injured in the elimination of the consequences of emergency situations, acquisition of skills and practical skills in general and special care of patients.**

Tasks:

- Provide a clear understanding of the developmental stages and clinical manifestations of the most common diseases and lesions in emergency situations.
- be able to provide first aid in a timely manner and in full in extreme situations;
 - to know the methods of providing care for the sick and affected, to carry out measures for their hygienic maintenance.

As a result of studying this discipline, students form the following universal, general professional and professional competencies (elements of competencies).

General professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
	OPK-6 Ability to organize patient care and provide first aid in case of emergencies in emergency situations, epidemics, in centers of mass destruction	OPK-6.1 Knows methods of organizing patient care and providing first aid in case of emergencies in centers of mass destruction OPK-6.2 Is able to organize patient care and first aid in case of emergencies in

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
		emergency situations, epidemics, in centers of mass destruction OPK-6.3 Proficient in methods of planning and organizing activities for the organization of patient care and the provision of first aid in case of emergencies in emergency situations, epidemics, in centers of mass destruction

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
OPK-6.1 Knows methods of organizing patient care and providing first aid in case of emergencies in centers of mass destruction	Knows how to organize patient care and provide first aid in case of emergencies in centers of mass destruction He is able to organize patient care and provide first aid in case of emergencies in centers of mass destruction Proficient in providing first aid in emergency conditions in centers of mass destruction
OPK-6.2 Is able to organize patient care and first aid in case of emergencies in emergency situations, epidemics, in centers of mass destruction	He knows the methods of organizing patient care and providing first aid in case of emergencies in emergency situations, epidemics, in centers of mass destruction She is able to organize patient care and first aid in case of emergencies in emergency situations, epidemics, in centers of mass destruction Possesses the skills of planning, organizing and implementing measures to ensure the protection of public health in emergency conditions in emergency situations, epidemics, in centers of mass destruction
OPK-6.3 Proficient in methods of planning and organizing activities for the organization of patient care and the provision of first aid in case of emergencies in emergency situations, epidemics, in centers of mass destruction	Knows the theoretical basis for actions in non-standard situations and the organization of patient care and the provision of first aid in emergency conditions Able to plan measures to ensure the protection of public health; properly draw up official medical documents, maintain primary medical documentation, carrying out measures to ensure the protection of public health, as well as the organization of patient care and the provision of first aid in emergency conditions in emergency situations, epidemics, in centers of mass destruction Proficient in methods of planning and organizing activities for the organization of patient care and the provision of first aid in case of emergencies in emergency situations, epidemics, in centers of mass destruction

For the formation of the above competencies within the framework of the discipline "Providing emergency medical care", the following methods of active/interactive learning are used: lectures - conferences, problem lectures,

lectures-visualizations; practical classes - dispute, round table (preparation and discussion of abstracts).

Annotation to the Work Program of the Discipline "Healthcare Management and Marketing"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 3 CU (108 hours). The curriculum includes lectures (18 hours), practical classes (36 hours) and independent work (54 hours). Assessment of learning outcomes: 1 semester credit.

Goals and objectives of mastering the discipline

The purpose of the discipline is to provide master's students with knowledge of the theoretical and practical foundations of modern effective management, the concept of management as a science and art, without which it is impossible to create an effective market and a law-based state, as well as to train a specialist with modern economic thinking, who is proficient in marketing methods in healthcare.

Objectives of the discipline:

- to study the basic concepts and approaches to the management and self-management of organizations developed by science and practice, both abroad and in our country;
- mastering the basics of marketing and developing new economic thinking;
- to form managers' managerial worldview, thinking, skills and abilities to make and implement managerial decisions;
- formation of skills of behavior in the conditions of market economy and competition;
- to study the modern system of views on management;
- Study the social aspects of management, such as: leadership, style, motivation, person in the management system, etc.
- mastering the skills of economic decision-making in the specific conditions of medical institutions in order to improve the quality of medical care and the economic effect of treatment and preventive measures.

Universal competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
	UK-3 Able to organize and lead the work of the team, developing a team strategy to achieve the set goal	UK-3.1 Knows the main provisions and norms of the leading branches of law for the protection of the professional activities of medical workers
		UK-3.2 Is able to solve practical problems of forming a culture of professional communication between a doctor and patients, colleagues and the management of a medical organization
		UK-3.3 Possesses the skills of preparing proposals on certain issues of improving moral norms in the activities of medical organizations
	UK-4 Able to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction	UK-4.4 Participates personally in the organization of free scientific and professional communication in a foreign language environment
		UK-4.5 Uses knowledge of a foreign language for scientific and professional communication for academic and professional interaction
		UK-4.6 Proficient in the methods of organizing public events to familiarize with information on health problems from foreign literature with colleagues in a foreign language environment

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
UK-3.1 Knows the main provisions and norms of the leading branches of law for the protection of the professional activities of medical workers	Knows the main provisions and norms of the leading branches of law for the protection of the professional activities of medical workers
UK-3.2 Is able to solve practical problems of forming a culture of professional communication between a doctor and patients, colleagues and the management of a medical organization	He knows the concepts of leadership, teamwork, responsibility, modern aspects of medical law, the main provisions and norms of the leading branches of law (civil, family, labor, administrative law), as guarantors of ensuring the rights and legitimate interests of citizens of the Russian Federation in the field of health care Able to work in a team, able to act within the framework of agreed goals and objectives; able to take personal responsibility and leadership in planning and implementing professional activities - adequately apply the necessary norms of law in their professional activities and in the work of health care institutions,

	<p>- solve practical problems to form a culture of professional communication between a doctor and patients, colleagues and management</p> <p>He has the skill of the concept of leadership, teamwork, responsibility, modern aspects of medical law, the main provisions and norms of the leading branches of law (civil, family, labor, administrative law), as guarantors of ensuring the rights and legitimate interests of citizens of the Russian Federation in the field of health care</p>
UK-3.3 Possesses the skills of preparing proposals on certain issues of improving moral norms in the activities of medical organizations	<p>Knows the moral norms in the activities of medical organizations</p> <p>Is able to make proposals on certain issues of improving moral norms in the activities of medical organizations</p> <p>Possesses the skills of preparing proposals on certain issues of improving moral norms in the activities of medical organizations</p>
UK-4.4 Participates personally in the organization of free scientific and professional communication in a foreign language environment	<p>Speaks a foreign language</p> <p>Able to communicate in a foreign language environment</p> <p>Proficient in communication in the scientific and professional field in a foreign language</p>
UK-4.5 Uses knowledge of a foreign language for scientific and professional communication for academic and professional interaction	<p>Knows the principles of scientific and professional communication in a foreign language environment, one of the foreign languages</p> <p>Able to use a foreign language in professional activities, evaluate foreign language publications</p> <p>Possesses information on health problems in foreign literature, skills of free scientific and professional communication in a foreign language environment</p>
UK-4.6 Proficient in the methods of organizing public events to familiarize with information on health problems from foreign literature with colleagues in a foreign language environment	<p>Knows the main health care issues</p> <p>Able to organize public events on health issues with colleagues in a foreign language environment</p> <p>Proficient in the methods of organizing public events to get acquainted with information on health problems from foreign literature with colleagues in a foreign language environment</p>

General professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
	OPK-3 Ability to implement managerial principles in professional activities	OPK-3.1 Knows the basic concepts of research processes in medicine for the implementation of management principles in professional activities
		OPK-3.2 Is able to substantiate the criteria for assessing the implementation of management principles in professional activities

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
		OPK-3.3 Proficient in methods of collecting, processing, analyzing information and their presentation to assess the quality of medical care in the implementation of managerial principles in professional activities
	OPK-5 Ability to organize public events to solve the problems of professional activity, including with international partners	OPK-5.1 Knows the principles of organizing public events with the ability to solve problems on IT technologies with international partners
		OPK-5.2 Able to take personal part in public events with the ability to solve problems on IT technologies with international partners
		OPK-5.3 Proficient in the methods of organizing public events to solve the problems of professional activity, including with international partners

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
OPK-3.1 Knows the basic concepts of research processes in medicine for the implementation of management principles in professional activities	Knows the basic concepts of research processes in medicine on the implementation of management principles in professional activities Knows how to manage a medical organization Possesses management skills in his/her professional activities
OPK-3.2 Is able to substantiate the criteria for assessing the implementation of management principles in professional activities	Knows the principles of preparation and application of scientific, scientific-production, project, organizational, managerial and regulatory documentation Able to prepare scientific, research and production, project, organizational, managerial and regulatory documentation on accounting and auditing Proficient in the preparation of scientific, scientific and production, project, organizational, managerial and regulatory documentation on accounting and auditing
OPK-3.3 Proficient in methods of collecting, processing, analyzing information and their presentation to assess the quality of medical care in the implementation of managerial principles in professional activities	Knows methods of collecting, processing, analyzing information and presenting them to assess the quality of medical care Is able to collect, process, analyze and present the information received in the field of his/her professional activity Proficient in methods of collecting, processing, analyzing information and their presentation to assess the quality of medical care in the implementation of managerial principles in professional activities

<p>OPK-5.1 Knows the principles of organizing public events with the ability to solve problems on IT technologies with international partners</p>	<p>Knows the principles of organizing public events with the ability to solve problems on IT technologies with international partners Knows how to organize public events with the ability to solve problems on IT technologies with international partners Possesses the skill of organizing public events with the ability to solve problems on IT technologies with international partners</p>
<p>OPK-5.2 Able to take personal part in public events with the ability to solve problems on IT technologies with international partners</p>	<p>Able to take personal part in public events with the ability to solve problems on IT technologies with international partners Possesses the skill of speaking at public events with international partners</p>
<p>OPK-5.3 Proficient in the methods of organizing public events to solve the problems of professional activity, including with international partners</p>	<p>Knows the methods of organizing public events to solve the problems of professional activity Knows how to organize a public event She is proficient in the methods of organizing public events to solve the problems of professional activities, including with international partners</p>

For the formation of the above competencies within the framework of the discipline "Healthcare Management and Marketing", the following methods of active/interactive learning are used: lectures - conferences, problem lectures, visualization lectures; practical classes - dispute, round table (preparation and discussion of abstracts).

Annotation to the work program of the discipline "Biostatistics"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 3 CU (108 hours). The curriculum provides for practical classes (36 hours) and independent work (72 hours, of which 36 hours are for exam preparation). Assessment of learning outcomes: 1 semester-exam.

Goals and objectives of mastering the discipline:

The purpose of mastering the discipline "Biostatistics" is to familiarize students with the methods and means of applied statistical analysis in biological research.

Tasks:

- to study the principles of organization, theoretical foundations and computational aspects of the main sections of univariate and applied multivariate data analysis;
- teach the basic principles of interpreting the results obtained.

The curriculum of the academic discipline B1.O.05 "Biostatistics" is compiled for students of the educational program of the master's program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation dated 31.05.2017 No. 485.

Discipline B1.O.05 "Biostatistics" is included in the mandatory part of the Master's program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)".

The total labor intensity of mastering the discipline is 3 credit units (108 hours). The curriculum provides for practical classes (36 hours) and independent work (72 hours, of which 36 hours are for exam preparation). Assessment of learning outcomes: Exam.

Successful completion of the course requires prior knowledge of the basics of mathematical and statistical analysis, as well as an understanding of the physiology of organisms acquired at the previous level of education.

For successful study of the discipline "Biostatistics", students should have the following preliminary competencies:

- the ability to take initiative and make responsible decisions, being aware of responsibility for the results of their professional activities;
- the ability to creatively perceive and use the achievements of science and technology in the professional sphere in accordance with the needs of the regional and global labor market; ability to use modern methods and technologies (including information technologies) in professional activities;
- the ability to work in a team, tolerating social, ethnic, religious and cultural differences;
- ability to self-organization and self-education;
- ability to solve standard tasks of professional activity on the basis of information and bibliographic culture with the use of information and communication technologies and taking into account the basic requirements of information security;

Universal competencies of graduates and indicators of their achievement:

Name of the category (group) of universal competencies	Universal Competency Code and Name (result of mastering)	Code and name of the competency indicator
	UK-6 Able to determine and implement priorities of own activities and ways to improve them on the basis of self-assessment	UK-6.1 Knows the basics of scientific research with an explanation of the technology of their own activities
		UK-6.2 Is able to justify the priorities of its own activities
		UK-6.3 Knows how to formulate goals, objectives of own activity and ways to improve it on the basis of self-assessment

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
UK-6.1 Knows the basics of scientific research with an explanation of the technology of their own activities	Knows the basics of scientific research He is able to explain the technology of his own activity Proficient in the basic methods of scientific research
UK-6.2 Is able to justify the priorities of its own activities	Knows the priority research in his professional field Able to justify the priorities of their own activities
UK-6.3 Knows how to formulate goals, objectives of own activity and ways to improve it on the basis of self-assessment	Knows the main tasks of his professional activity Able to formulate goals, set tasks, determine the way to achieve the goal Possesses knowledge of scientific directions in health care and ways to manage them on the basis of self-assessment

General professional competencies of graduates and indicators of their achievement:

Name of the category (group) of general professional competencies	Code and name of general professional competence (result of mastering)	Code and name of the competency indicator

	OPK-2 Ability to use information technology in professional activities, comply with basic information security requirements	OPK-2.1 Knows and is able to explain the use of information technology
		OPK-2.2 Is able to substantiate the criteria for evaluating IT technologies in practical activities
		OPK-2.3 Possesses the ability to formulate and explain the need to use information technologies in the work of medical organizations in compliance with the basic requirements of information security
	OPK-4 Ability to apply modern methods of collecting and processing information, to conduct statistical analysis and interpretation of results, to study, analyze, assess trends, to predict the development of events in the state of population health	OPK-4.1 Knows the basics of computer technologies in the collection, storage, analysis and transmission of information on forecasting the development of events in the state of population health
		OPK-4.2 Is able to use computer technologies in the collection, storage, analysis and transmission of information on forecasting the development of events in the state of population health
		OPK-4.3 Possesses the skills of preparing organizational and managerial documentation in a medical organization for forecasting the development of events in the state of population health; possesses methods of multivariate statistics and methods of processing biological information to solve professional problems

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
OPK-2.1 Knows and is able to explain the use of information technology	Knows modern information technologies and software tools used in professional activities She is able to use modern information technologies and software tools to solve professional problems. Proficient in collecting, processing, assessing the reliability of results and providing the information obtained using modern information technologies and software
OPK-2.2 Is able to substantiate the criteria for evaluating IT technologies in practical activities	Knows the criteria for evaluating IT technologies in their practical activities Able to substantiate the criteria for evaluating IT technologies in practical activities Possesses the skill of substantiating the criteria for evaluating IT technologies in practical activities
OPK-2.3 Possesses the ability to formulate and explain the need to use information technologies in the	Knows the principles of using information technology

work of medical organizations in compliance with the basic requirements of information security	Is able to apply knowledge on the use of information technologies in practical activities in compliance with the basic requirements of information security Proficient in working with information technologies in healthcare in compliance with the basic requirements of information security
OPK-4.1 Knows the basics of computer technologies in the collection, storage, analysis and transmission of information on forecasting the development of events in the state of population health	Knows the basics of computer technologies in collecting, storing, analyzing, and transmitting information Able to predict the development of events and the state of population health of the population Possesses the skill of collecting, storing, analyzing, transmitting information on all issues of his professional activity
OPK-4.2 Is able to use computer technologies in the collection, storage, analysis and transmission of information on forecasting the development of events in the state of population health	Knows the steps of statistical analysis Is able to use computer technologies in the collection, storage, analysis and transmission of information on forecasting the development of events in the state of population health Proficient in the use of computer technologies in the collection, storage, analysis and transmission of information on forecasting the development of events in the state of population health
OPK-4.3 Possesses the skills of preparing organizational and managerial documentation in a medical organization for forecasting the development of events in the state of population health; possesses methods of multivariate statistics and methods of processing biological information to solve professional problems	Knows organizational and management documentation in a medical organization Able to prepare medical documentation, predict the development of events in the state of population health Proficient in methods of multivariate statistics of biological information processing to solve professional problems, conducting statistical analysis and interpretation of results; methods of studying, analyzing, assessing trends, forecasting the development of events in the state of population health of the population

For the formation of the above competencies within the framework of the discipline "Biostatistics", the following educational technologies and methods of active/interactive learning are used: business game, work in small groups, round table.

Annotation of the work program of the discipline "Information technology in healthcare"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 3 CU (108 hours). The curriculum provides for practical classes (36 hours) and independent work (72 hours, of which 45 hours are for exam preparation). Assessment of learning outcomes: 1 semester-exam.

Goals and objectives of mastering the discipline:

The course "Information Technologies in Healthcare" is designed for 1st-year Master's students in the direction 32.04.01 "Public Health". The labor intensity of the discipline is 108 hours, of which practical classes are 36 hours, independent work is 72 hours, of which 45 hours are spent on preparation for the exam. The discipline is implemented in 1 semester. The form of control in the discipline is an exam.

The course is taught in other disciplines of the program: "Health Economics", "Biostatistics".

The purpose of the discipline is to acquaint the student with modern information technologies

Objectives of the discipline:

– Familiarize yourself with the basic concepts of information and information technology;

– to study the subject and basic methods of organization of information technologies, automated information technologies;

– to acquaint with the evolution and prospects for the development of information technologies, their role in the technologization of social space;

– to study the regularities of information processes in artificial systems (including control systems), the criteria for evaluating information technologies;

– master the organization of network information technologies based on modern communication tools;

– to study the integration of different types and classes of information technologies in the implementation of information processes.

Universal competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
	UK-1 is able to carry out a critical analysis of problem situations on the basis of a systematic approach, to develop a strategy of action	UK-1.1 Knows the basics of planning and organizing measures to ensure public health on the basis of a systematic approach with the subsequent development of an action strategy to overcome problematic situations
		UK-1.2 Is able to justify the implementation of measures to ensure the protection of public health, properly draw up official medical documents, resolve problem situations on the basis of a systematic approach, and develop an action strategy
		UK-1.3 Possesses the ability to formulate the tasks of planning and organizing measures to ensure the health of the population by conducting a critical analysis of problem situations in a medical organization based on a systematic approach with the subsequent development of an action strategy

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
UK-1.1 Knows the basics of planning and organizing measures to ensure public health on the basis of a systematic approach with the subsequent development of an action strategy to overcome problematic situations	Knows the basics of planning and organizing measures to ensure the health of the population on the basis of a systematic approach with the subsequent development of an action strategy to overcome problematic situations Is able to plan and organize activities to ensure the protection of public health based on a systematic approach; is able to determine a strategy of action to overcome problematic situations in his/her professional field Possesses the skill of planning and organizing measures to ensure the protection of public health on the basis of a systematic approach
UK-1.2 Is able to justify the implementation of measures to ensure the protection of public health, properly draw up official medical documents, resolve problem situations on the basis of a systematic approach, and develop an action strategy	He knows the methods of human health protection, the main problem situations in his subject area Is able to justify the implementation of measures to ensure the protection of public health, properly draw up official medical documents, resolve problem situations on the basis of a systematic approach, and develop an action strategy; Is able to draw up official medical documents, resolve problem situations based on a systematic approach, and develop a strategy of action Possesses the skill of carrying out measures to ensure the protection of public health, properly

<p>UK-1.3 Possesses the ability to formulate the tasks of planning and organizing measures to ensure the health of the population by conducting a critical analysis of problem situations in a medical organization based on a systematic approach with the subsequent development of an action strategy</p>	<p>Knows the principles of organizing applied and practical projects and other activities to study and model social, economic, epidemiological and other conditions that affect the health and quality of life of the population based on a systematic approach</p> <p>Able to carry out applied and practical projects and other activities to study and model social, economic, epidemiological and other conditions that affect the health and quality of life of the population, to carry out a critical analysis of problem situations on the basis of a systematic approach</p> <p>She has the skills to organize applied and practical projects and other activities to study and model social, economic, epidemiological and other conditions that affect the health and quality of life of the population, to carry out a critical analysis of problem situations in a medical organization based on a systematic approach with the subsequent development of an action strategy</p>
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General professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
	<p>OPK-2 Ability to use information technology in professional activities, comply with basic information security requirements</p>	<p>OPK-2.1 Knows and is able to explain the use of information technology</p> <p>OPK-2.2 Is able to substantiate the criteria for evaluating IT technologies in practical activities</p> <p>OPK-2.3 Possesses the ability to formulate and explain the need to use information technologies in the work of medical organizations in compliance with the basic requirements of information security</p>

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
<p>OPK-2.1 Knows and is able to explain the use of information technology</p>	<p>Knows modern information technologies and software tools used in professional activities</p> <p>She is able to use modern information technologies and software tools to solve professional problems.</p> <p>Proficient in collecting, processing, assessing the reliability of results and providing the information obtained using modern information technologies and software</p>

<p>OPK-2.2 Is able to substantiate the criteria for evaluating IT technologies in practical activities</p>	<p>Knows the criteria for evaluating IT technologies in their practical activities Able to substantiate the criteria for evaluating IT technologies in practical activities Possesses the skill of substantiating the criteria for evaluating IT technologies in practical activities</p>
<p>OPK-2.3 Possesses the ability to formulate and explain the need to use information technologies in the work of medical organizations in compliance with the basic requirements of information security</p>	<p>Knows the principles of using information technology Is able to apply knowledge on the use of information technologies in practical activities in compliance with the basic requirements of information security Proficient in working with information technologies in healthcare in compliance with the basic requirements of information security</p>

To form the above competencies within the framework of the discipline "Information technology in healthcare", the following methods of active/interactive learning are used: practical classes - dispute, round table (preparation and discussion of abstracts).

Annotation of the work program of the discipline "Health of the region's population and health priorities"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 5 CU (180 hours). The curriculum includes lectures (18 hours), practical classes (36 hours) and independent work (126 hours, of which 54 hours are spent on preparation for the exam). Assessment of learning outcomes: 3rd semester-exam.

Goals and objectives of mastering the discipline:

Purpose:

acquisition of theoretical knowledge by Master's students and mastering practical skills in the organization of health care and public health, in the provision of primary health care, emergency, emergency, specialized, high-tech medical care in the context of modernization and informatization in the field of professional activity, taking into account the system of general cultural and professional competencies capable of independent professional activity and effective management of medical Organizations.

Tasks:

- Mastering the practical skills of research - from collecting information to calculating a system of indicators that characterize the state and patterns of public health development.
- Formation of the necessary knowledge and skills in the use of modern basic computer technologies as a tool for forecasting the state of public health and health indicators of the region.
- Inculcation of skills in the search and processing of information on the provision of
 - availability of medical care and increasing the compliance of medical services with the level of morbidity, mortality, the needs of the population and the advanced achievements of medical science.
 - Maximum use of the requirements of guiding documents in the organization of activities on social policy, public health, organization and management of health care.

As a result of studying this discipline, students form the following universal, general professional and professional competencies (elements of competencies).

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-3 Ability to organize, plan and control the activities of a structural unit of a medical organization	PC-3.1 Knows Standards of Care PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution
Organizational and managerial	PC-5 Ability to assess the effectiveness of a medical organization, develop and select optimal management solutions, develop a business plan for the development of a medical organization, use a process approach in the management of a medical organization, use technological maps of the processes of a medical organization	PC-5.1 Knows the methods of planning a medical organization PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, development of business planning and investment projects

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
PC-3.1 Knows Standards of Care	Knows the standards of medical care Knows how to provide first aid Proficient in first aid
PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Is able to assess the resources of a medical organization and implement a quality management system Proficient in assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution	Knows the reporting documentation of the medical organization Is able to prepare reporting documentation for a medical organization Possesses the necessary skills for the preparation of reporting documentation, assessment of the activities of a health care institution
PC-5.1 Knows the methods of planning a medical organization	Knows the methods of planning a medical organization Able to plan the work of a medical organization

<p>PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects</p>	<p>Knows the rules for drawing up a plan for a medical organization, developing a business plan, an investment project Is able to draw up a plan for a medical organization, develop business planning and investment projects Possesses the skill of drawing up a plan for a medical organization, developing business and investment projects</p>
<p>PC-5.3 Proficient in planning, development of business planning and investment projects</p>	<p>Knows the principles of goal-setting, types and methods of organizational planning and fundamental concepts of financial management, as well as the method of process approach to the management of a medical organization Able to develop corporate, competitive and functional strategies for the development of the organization, develop investment projects and conduct their verification He is proficient in the methods of formulating and implementing strategies at the level of a business unit, developing and implementing marketing programs, as well as methods of investment analysis and analysis of financial markets, a process approach in the management of a medical organization and the possibility of using technological maps of the processes of a medical organization.</p>

For the formation of the above competencies within the discipline "Health of the region's population and health priorities", the following methods of active/interactive learning are used: lectures - conferences, problem-based lectures, visualization lectures; practical classes - dispute, round table (preparation and discussion of abstracts).

Annotation of the work program of the academic discipline "Health technology assessment"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 4 CU (144 hours). The curriculum includes lectures (18 hours), practical classes (36 hours) and independent work (90 hours). Assessment of learning outcomes: 2 semester credit.

Goals and objectives of mastering the discipline:

Purpose:

Study of the system of evaluation of medical technologies.

Tasks:

- quality of medical technologies;
- cost-effectiveness of medical technologies;
- public health and its determinants;
- systems to preserve, promote and restore the health of the population;
- organizational, medical and management technologies;
- trends in the development of healthcare in foreign countries and in Russia.

As a result of studying this discipline, students form the following general professional and professional competencies (elements of competencies).

General professional competencies of graduates and indicators of their achievement:

Competency code and name (result of mastering)	Code and name of the competency indicator
OPK-3 Ability to implement managerial principles in professional activities	OPK-3.1 Knows the basic concepts of research processes in medicine for the implementation of management principles in professional activities OPK-3.2 Is able to substantiate the criteria for assessing the implementation of management principles in professional activities OPK-3.3 Proficient in methods of collecting, processing, analyzing information and their presentation to assess the quality of medical care in the implementation of managerial principles in professional activities

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
OPK-3.1 Knows the basic concepts of research processes in medicine for the implementation of management principles in professional activities	Knows the basic concepts of research processes in medicine on the implementation of management principles in professional activities Knows how to manage a medical organization Possesses management skills in his/her professional activities
OPK-3.2 Is able to substantiate the criteria for assessing the implementation of management principles in professional activities	Knows the principles of preparation and application of scientific, scientific-production, project, organizational, managerial and regulatory documentation Able to prepare scientific, research and production, project, organizational, managerial and regulatory documentation on accounting and auditing Proficient in the preparation of scientific, scientific and production, project, organizational, managerial and regulatory documentation on accounting and auditing
OPK-3.3 Proficient in methods of collecting, processing, analyzing information and their presentation to assess the quality of medical care in the implementation of managerial principles in professional activities	Knows methods of collecting, processing, analyzing information and presenting them to assess the quality of medical care Is able to collect, process, analyze and present the information received in the field of his/her professional activity Proficient in methods of collecting, processing, analyzing information and their presentation to assess the quality of medical care in the implementation of managerial principles in professional activities

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-4 Ability to analyze and evaluate the performance of a medical organization, manage the resources of a medical organization, develop and implement a quality management system in a medical organization, prepare a justification for the volume of medical care in accordance with the resources of the medical organization and the needs of the population	PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization PP-4.3 Possesses skills of a systematic approach in the development of development plans

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-6 Ability to develop plans and programs, form a system of indicators for the activities of a medical organization, assess the effectiveness of the activities of a medical organization, develop options for management decisions and assess the risks associated with their implementation	PC-6.1 Knows the peculiarities of the formation of the system of indicators of a medical organization PC-6.2 Is able to assess the effectiveness of the activities of a medical organization, taking into account the formed system of indicators PC-6.3 Possesses the skills of forming performance indicators, assessing their effectiveness, as well as the ability to develop management decisions with an assessment of the risks associated with their implementation

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities	Knows the methodology for a comprehensive assessment of the results of the activities of a medical organization Able to conduct a comprehensive assessment of the results of the activities of a medical organization Possesses the skill of conducting a comprehensive assessment of the results of the activities of a medical organization
PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization	Knows the optimal areas of activity of a medical organization Able to develop and select the optimal areas of activity of a medical organization Possesses the skill of developing the optimal direction of the medical organization's activities
PP-4.3 Possesses skills of a systematic approach in the development of development plans	Knows a systematic approach to the development of plans for the development of a medical organization Knows how to develop Possesses the skills of a systematic approach to the development of development plans
PC-6.1 Knows the peculiarities of the formation of the system of indicators of a medical organization	Knows the specifics of the formation of the system of indicators of a medical organization Able to form and fulfill the indicators of a medical organization Possesses the skill of forming and fulfilling the indicators of a medical organization
PC-6.2 Is able to assess the effectiveness of the activities of a medical organization, taking into account the formed system of indicators	Knows the main performance indicators of a medical organization Is able to assess the effectiveness of a medical organization, taking into account the formed system of indicators

	Possesses the skill of assessing the effectiveness of the activities of a medical organization, taking into account the formed system of indicators
PC-6.3 Possesses the skills of forming performance indicators, assessing their effectiveness, as well as the ability to develop management decisions with an assessment of the risks associated with their implementation	<p>Knows the main performance indicators of a medical organization</p> <p>Is able to generate performance indicators, assess their effectiveness, and assess the risks associated with their implementation</p> <p>Possesses the skills of forming performance indicators, assessing their effectiveness, as well as the ability to develop management decisions with an assessment of the risks associated with their implementation</p>

For the formation of the above competencies within the framework of the discipline "Health technology assessment", the following methods of active/interactive learning are used: lectures - conferences, problem lectures, lectures-visualizations; practical classes - dispute, round table (preparation and discussion of abstracts).

Annotation to the work program of the discipline "Sociology of medicine, human ecology and quality of life"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 3 CU (108 hours). The curriculum includes practical exercises (36 hours) and independent work (72 hours). Assessment of learning outcomes: 1 semester credit.

Goals and objectives of mastering the discipline:

Purpose:

To form students' professional skills in conducting medical and sociological research to solve urgent problems of public health and health care, social medicine, organization and management of health care.

Tasks:

- to give an idea of the sociology of medicine;
- to form knowledge about medical and sociological research;
- to acquaint with the methods of medical and sociological research;
- to teach the application of the results of medical and sociological research in the analysis of the effectiveness and responsiveness of health care, assessment of the quality of medical services, study of patient satisfaction with medical care;
- to give an idea of the indicator of quality of life;
- to introduce the basic concepts of human ecology.

As a result of studying this discipline, students form the following universal, general professional and professional competencies (elements of competencies).

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-2 Ability to prepare presentation materials, information and analytical materials, certificates on the activities of a medical organization or its divisions, conduct organizational and methodological activities in a medical organization	PC-2.1 Knows how to organize, manage, and plan medical activities PC-2.2 Is able to carry out organizational and methodological work in the divisions of a medical organization PC-2.3 Possesses management skills to conduct organizational and methodological activities in a medical organization

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
PC-2.1 Knows how to organize, manage, and plan medical activities	Knows how to organize, manage, and plan medical activities Knows how to plan and organize medical activities Possesses the skill of managing medical activities
PC-2.2 Is able to carry out organizational and methodological work in the divisions of a medical organization	Knows the basic principles of organizational and methodological work in the divisions of a medical organization Is able to carry out organizational and methodological work in the divisions of a medical organization Possesses the skill of organizational and methodological work in the divisions of a medical organization
PC-2.3 Possesses management skills to conduct organizational and methodological activities in a medical organization	He knows the basic methods of scientific research in health care, the organization of research work, methods of preparing presentation materials, information and analytical references. Is able to set and choose the purpose of the work, formulate tasks, publicly present the results of scientific work, prepare a report on the activities of a medical organization or its structural divisions Proficient in methods of collecting, processing, analyzing information, knowledge about scientific areas in healthcare, ways to manage them, as well as ways and methods of conducting organizational and methodological activities in a medical organization

For the formation of the above competencies within the framework of the discipline "Sociology of medicine, human ecology and quality of life", the following methods of active/interactive learning are used: practical classes - dispute, round table (preparation and discussion of essays).

Annotation of the work program of the discipline "Social and hygienic significance of the most important non-infectious and infectious diseases"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 3 CU (108 hours). The curriculum includes lectures (18 hours), practical classes (36 hours) and independent work (54 hours, of which 36 hours are for exam preparation). Assessment of learning outcomes: 1 semester-exam.

Goals and objectives of mastering the discipline:

Purpose:

To provide master's students with knowledge of the theoretical and practical foundations of modern effective management of socially significant pathology, the concept of social management as a science and art, without which it is impossible to create a law-based state.

Tasks:

- Study of trends and factors that affect the level and prevalence of socially significant pathology.
- Development of forecasts for the occurrence and spread of socially significant diseases.
- Development of management measures aimed at combating socially significant pathology.

As a result of studying this discipline, students form the following universal, general professional and professional competencies (elements of competencies).

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-2 Ability to prepare presentation materials, information and analytical materials, certificates on the activities of a medical organization or its divisions, conduct organizational and methodological activities in a medical organization	PC-2.1 Knows how to organize, manage, and plan medical activities PC-2.2 Is able to carry out organizational and methodological work in the divisions of a medical organization PC-2.3 Possesses management skills to conduct organizational and methodological activities in a medical organization
Organizational and managerial	PC-4 Ability to analyze and evaluate the performance of a medical organization, manage the resources of a medical organization, develop and implement a quality management system in a medical organization, prepare a justification for the volume of medical care in accordance with the resources of the medical organization and the needs of the population	PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization PP-4.3 Possesses skills of a systematic approach in the development of development plans

Annotation of the work program of the discipline "Bioinformatics"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 4 CU (144 hours). The curriculum includes lectures (18 hours), practical classes (36 hours) and independent work (90 hours). Assessment of learning outcomes: 2 semester credit.

Goals and objectives of mastering the discipline:

Purpose:

Based on the study of the basic concepts of the discipline, to train a specialist with knowledge and skills that allow the use of computer applications, means of information support for medical decisions, automated medical and technological systems to solve problems of medicine and healthcare.

Tasks:

- To increase the level of professional skills in the field of health informatization;
- explore additional possibilities of cybernetics and computer science;
- to study the technological levels of information processing in medicine;
- to identify ways and means of applying the acquired knowledge in the practical activities of medical personnel;
- master the additional features of Microsoft applications;
- to study modern problems of informatization.

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Research & Development	PC-1 Ability to calculate, assess and analyze indicators characterizing the activities of a medical organization and indicators characterizing the state of health of the population	PC-1.1 Knows the principles of information collection and processing PC-1.2 Able to create a data matrix, encode material PC-1.3 Proficient in statistical methods of data processing, including the use of information and analytical systems and the information and telecommunication network "Internet"

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
PC-1.1 Knows the principles of information collection and processing	Knows the principles of collecting, processing, analyzing, and providing information Able to collect, process, analyze and provide information in his/her professional activities Possesses the skill of collecting, processing, analyzing and providing information in their professional activities
PC-1.2 Able to create a data matrix, encode material	Knows how to encode information Able to create a data matrix, encode the material Proficient in coding material
PC-1.3 Proficient in statistical methods of data processing, including the use of information and analytical systems and the information and telecommunication network "Internet"	Knows the basic methods of data processing, including the use of information and analytical systems and the information and telecommunication network "Internet" Able to process data and present it Proficient in statistical methods of data processing, including the use of information and analytical systems and the information and telecommunication network "Internet"

For the formation of the above competencies within the framework of the discipline "Bioinformatics", the following methods of active/interactive learning are used: lectures - conferences, problem lectures, lectures-visualizations; practical classes - dispute, round table (preparation and discussion of abstracts).

Annotation of the Curriculum of the Academic Discipline "Current Issues of Epidemiology"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 4 CU (144 hours). The curriculum includes lectures (8 hours), practical classes (36 hours) and independent work (100 hours, of which 63 hours are spent on exam preparation). Assessment of learning outcomes: 2nd semester-exam.

Goals and objectives of mastering the discipline:

Purpose:

The study of the discipline "Current issues of epidemiology" is the improvement of knowledge and practical skills to identify the causes of the occurrence and spread of pathological conditions among the population and to substantiate, using the principles of evidence-based medicine, decisions on the implementation of preventive and anti-epidemic measures necessary for the implementation of professional activities in health care institutions.

Tasks:

- on the main theoretical provisions of epidemiology, their application taking into account the modern features of diseases of the population;
- to identify risk factors and establish cause-and-effect relationships in the system of public health – habitat;
- on the use of information technologies in practical activities, including evidence-based medicine data;
- training in the ability to make decisions in risk situations;
- development of the ability to independently evaluate the results of their activities;
- on the organization of preventive and anti-epidemic measures based on the results of epidemiological diagnostics.

As a result of studying this discipline, students form the following universal, general professional and professional competencies (elements of competencies).

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
	PC-1 Ability to calculate, assess and analyze indicators characterizing the activities of a medical organization and indicators characterizing the state of health of the population	PC-1.1 Knows the principles of information collection and processing PC-1.2 Able to create a data matrix, encode material PC-1.3 Proficient in statistical methods of data processing, including the use of information and analytical systems and the information and telecommunication network "Internet"
	PC-4 Ability to analyze and evaluate the performance of a medical organization, manage the resources of a medical organization, develop and implement a quality management system in a medical organization, prepare a justification for the volume of medical care in accordance with the resources of the medical organization and the needs of the population	PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization PP-4.3 Possesses skills of a systematic approach in the development of development plans

Code and Competency Statement	Stages of competence formation
PC-1.1 Knows the principles of information collection and processing	Knows the principles of collecting, processing, analyzing, and providing information Able to collect, process, analyze and provide information in his/her professional activities Possesses the skill of collecting, processing, analyzing and providing information in their professional activities
PC-1.2 Able to create a data matrix, encode material	Knows how to encode information Able to create a data matrix, encode the material Proficient in coding material
PC-1.3 Proficient in statistical methods of data processing, including the use of information and analytical systems and the information	Knows the basic methods of data processing, including the use of information and analytical systems and the information and telecommunication network "Internet" Able to process data and present it

and telecommunication network "Internet"	Proficient in statistical methods of data processing, including the use of information and analytical systems and the information and telecommunication network "Internet"
PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities	Knows the methodology for a comprehensive assessment of the results of the activities of a medical organization Able to conduct a comprehensive assessment of the results of the activities of a medical organization Possesses the skill of conducting a comprehensive assessment of the results of the activities of a medical organization
PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization	Knows the optimal areas of activity of a medical organization Able to develop and select the optimal areas of activity of a medical organization Possesses the skill of developing the optimal direction of the medical organization's activities
PP-4.3 Possesses skills of a systematic approach in the development of development plans	Knows a systematic approach to the development of plans for the development of a medical organization Knows how to develop Possesses the skills of a systematic approach to the development of development plans

For the formation of the above competencies within the framework of the discipline "Current issues of epidemiology", the following methods of active/interactive learning are used: lectures - conferences, problem lectures, lectures-visualizations; practical classes - dispute, round table (preparation and discussion of abstracts).

Annotation of the work program of the academic discipline "Research Workshop: Comparative Analysis of Health Systems"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 3 CU (108 hours). The curriculum includes practical classes (18 hours) and independent work (90 hours). Assessment of learning outcomes: 2 semester credit with grade.

Goals and objectives of mastering the discipline:

The objectives of the research seminar "Research Workshop: Comparative Analysis of Health Systems" in the specialty 32.04.01 Public Health, the master's program "Leadership and governance in public health" (program in English for foreign citizens) are the formation of a holistic theoretical view of the health care system in masters, the disclosure of key problems of modern legislation and practice in the field of healthcare.

The objectives of the research seminar are:

1. Study of the current legislation of the Russian Federation, international norms of law in the field of medicine.
2. Conducting a comparative analysis of health care systems, forming a holistic view of the system and structure of health care legislation in foreign countries, identifying and analyzing the main trends in the development of health care, analyzing the advantages and disadvantages of various systems.
3. To instill the skills and abilities to use the acquired knowledge in practical activities.

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-3 Ability to organize, plan and control the activities of a structural unit of a medical organization	PC-3.1 Knows Standards of Care PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-6 Ability to develop plans and programs, form a system of indicators for the activities of a medical organization, assess the effectiveness of the activities of a medical organization, develop options for management decisions and assess the risks associated with their implementation	PC-6.1 Knows the peculiarities of the formation of the system of indicators of a medical organization PC-6.2 Is able to assess the effectiveness of the activities of a medical organization, taking into account the formed system of indicators PC-6.3 Possesses the skills of forming performance indicators, assessing their effectiveness, as well as the ability to develop management decisions with an assessment of the risks associated with their implementation

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
PC-3.1 Knows Standards of Care	Knows the standards of medical care Knows how to provide first aid Proficient in first aid
PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Is able to assess the resources of a medical organization and implement a quality management system Proficient in assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution	Knows the reporting documentation of the medical organization Is able to prepare reporting documentation for a medical organization Possesses the necessary skills for the preparation of reporting documentation, assessment of the activities of a health care institution
PC-6.1 Knows the peculiarities of the formation of the system of indicators of a medical organization	Knows the specifics of the formation of the system of indicators of a medical organization Able to form and fulfill the indicators of a medical organization Possesses the skill of forming and fulfilling the indicators of a medical organization
PC-6.2 Is able to assess the effectiveness of the activities of a medical organization, taking into account the formed system of indicators	Knows the main performance indicators of a medical organization Is able to assess the effectiveness of a medical organization, taking into account the formed system of indicators Possesses the skill of assessing the effectiveness of the activities of a medical organization, taking into account the formed system of indicators
PC-6.3 Possesses the skills of forming performance indicators, assessing their effectiveness, as well as the ability to develop management decisions with an assessment of the risks associated with their implementation	Knows the main performance indicators of a medical organization Is able to generate performance indicators, assess their effectiveness, and assess the risks associated with their implementation Possesses the skills of forming performance indicators, assessing their effectiveness, as well as the ability to develop

	management decisions with an assessment of the risks associated with their implementation
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Annotation of the work program of the academic discipline "Health Economics"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 3 CU (108 hours). The curriculum includes lectures (18 hours), practical classes (36 hours) and independent work (54 hours, of which 27 hours are for exam preparation). Assessment of learning outcomes: 3rd semester-exam.

Goals and objectives of mastering the discipline:

Purpose:

acquisition of knowledge and practical skills in solving the main issues of health economics, which are designed to ensure social protection of the population in a market economy.

Tasks:

- to form professional skills necessary for the implementation of economic analysis of the activities of health care institutions that provide medical care to various categories of citizens;
- familiarization with the economic indicators of the activities of health care institutions;
- mastering the basics of health economics and developing economic thinking;
- formation of competence in the basic categories of health economics;
- formation of skills for working in a market economy and competition;
- mastering the skills of economic decision-making in the specific conditions of medical institutions in order to improve the quality of medical care and the economic effect of treatment and preventive measures;
- training in modern methods of analysis and planning of the activities of a medical organization, skills in solving economic problems arising in the field of healthcare;
- training in the most important methods of clinical and economic analysis, which allow rational and effective use of financial resources.

As a result of studying this discipline, students form the following universal, general professional and professional competencies (elements of competencies).

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-4 Ability to analyze and evaluate the performance of a medical organization, manage the resources of a medical organization, develop and implement a quality management system in a medical organization, prepare a justification for the volume of medical care in accordance with the resources of the medical organization and the needs of the population	PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization PP-4.3 Possesses skills of a systematic approach in the development of development plans
Organizational and managerial	PC-5 Ability to assess the effectiveness of a medical organization, develop and select optimal management solutions, develop a business plan for the development of a medical organization, use a process approach in the management of a medical organization, use technological maps of the processes of a medical organization	PC-5.1 Knows the methods of planning a medical organization PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, development of business planning and investment projects

Code and Competency Statement	Stages of competence formation
PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities	Knows the methodology for a comprehensive assessment of the results of the activities of a medical organization Able to conduct a comprehensive assessment of the results of the activities of a medical organization Possesses the skill of conducting a comprehensive assessment of the results of the activities of a medical organization
PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization	Knows the optimal areas of activity of a medical organization Able to develop and select the optimal areas of activity of a medical organization Possesses the skill of developing the optimal direction of the medical organization's activities
PP-4.3 Possesses skills of a systematic approach in the development of development plans	Knows the principles of organizing and implementing measures to ensure public health and the implementation of a quality management system in a medical organization Is able to plan measures to ensure the health of the population, implement a quality management system in a medical organization, prepare a justification for the volume of medical care in accordance with the resources of the medical organization

	<p>Possesses the skills of organizing and implementing measures to ensure the protection of public health, as well as methods for analyzing and evaluating the performance of a medical organization, managing the resources of a medical organization, methods for developing and implementing a quality management system in a medical organization, preparing a justification for the volume of medical care in accordance with the resources of a medical organization and the needs of the population</p>
<p>PC-5.1 Knows the methods of planning a medical organization</p>	<p>Knows the methods of planning a medical organization Able to plan the work of a medical organization</p>
<p>PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects</p>	<p>Knows the rules for drawing up a plan for a medical organization, developing a business plan, an investment project Is able to draw up a plan for a medical organization, develop business planning and investment projects Possesses the skill of drawing up a plan for a medical organization, developing business and investment projects</p>
<p>PC-5.3 Proficient in planning, development of business planning and investment projects</p>	<p>Knows the principles of goal-setting, types and methods of organizational planning and fundamental concepts of financial management, as well as the method of process approach to the management of a medical organization Able to develop corporate, competitive and functional strategies for the development of the organization, develop investment projects and conduct their verification He is proficient in the methods of formulating and implementing strategies at the level of a business unit, developing and implementing marketing programs, as well as methods of investment analysis and analysis of financial markets, a process approach in the management of a medical organization and the possibility of using technological maps of the processes of a medical organization.</p>

For the formation of the above competencies within the framework of the discipline "Health Economics", the following methods of active/interactive learning are used: lectures – conferences, problem-based lectures, lectures-visualizations; practical exercises – debate, round table (preparation and discussion of abstracts).

Annotation of the work program of the academic discipline "Healthcare in foreign countries. International cooperation in the field of health»

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 4 CU (144 hours). The curriculum includes lectures (18 hours), practical classes (36 hours) and independent work (90 hours, of which 27 hours are for preparation for the exam). Assessment of learning outcomes: 3rd semester-exam.

Goals and objectives of mastering the discipline:

Purpose:

To form a holistic theoretical view of the health care system, including health care in foreign countries, to reveal the key problems of modern legislation and practice in the field of health care at the present stage in the Russian Federation and abroad.

Tasks:

1. Study of the current legislation of the Russian Federation, international norms of law in the field of medicine.

2. Conducting a comparative analysis of health care systems, forming a holistic view of the system and structure of health care legislation of foreign countries, identifying and analyzing the main trends in the development of health care, analyzing the advantages and disadvantages of various systems.

3. Systematize the basic information available to students in the field of domestic public health and health care and international healthcare;

4. To provide students with new, up-to-date information and methodology on the main problems of health care organization and public health in the world and in Russia.

5. To contribute to the formation of students' skills in analytical activities in the field of organization of activities, management and economics of health care resources in the Russian Federation and abroad.

6. To develop skills in assessing the activities of bodies and medical organizations in the organization of medical care quality management, examination and quality control of medical care in the Russian Federation and abroad;

7. Introduction of an invariant approach to teaching, the use of algorithms in the classroom in order to apply them in the future in the practice of medical organizations.

As a result of studying this discipline, students form the following universal, general professional and professional competencies (elements of competencies).

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-3 Ability to organize, plan and control the activities of a structural unit of a medical organization	PC-3.1 Knows Standards of Care PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution
Organizational and managerial	PC-6 Ability to develop plans and programs, form a system of indicators for the activities of a medical organization, assess the effectiveness of the activities of a medical organization, develop options for management decisions and assess the risks associated with their implementation	PC-6.1 Knows the peculiarities of the formation of the system of indicators of a medical organization PC-6.2 Is able to assess the effectiveness of the activities of a medical organization, taking into account the formed system of indicators PC-6.3 Possesses the skills of forming performance indicators, assessing their effectiveness, as well as the ability to develop management decisions with an assessment of the risks associated with their implementation

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
PC-3.1 Knows Standards of Care	Knows the standards of medical care Knows how to provide first aid Proficient in first aid
PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Is able to assess the resources of a medical organization and implement a quality management system Proficient in assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution	Knows the reporting documentation of the medical organization Is able to prepare reporting documentation for a medical organization Possesses the necessary skills for the preparation of reporting documentation, assessment of the activities of a health care institution

<p>PC-6.1 Knows the peculiarities of the formation of the system of indicators of a medical organization</p>	<p>Knows the specifics of the formation of the system of indicators of a medical organization Able to form and fulfill the indicators of a medical organization Possesses the skill of forming and fulfilling the indicators of a medical organization</p>
<p>PC-6.2 Is able to assess the effectiveness of the activities of a medical organization, taking into account the formed system of indicators</p>	<p>Knows the main performance indicators of a medical organization Is able to assess the effectiveness of a medical organization, taking into account the formed system of indicators Possesses the skill of assessing the effectiveness of the activities of a medical organization, taking into account the formed system of indicators</p>
<p>PC-6.3 Possesses the skills of forming performance indicators, assessing their effectiveness, as well as the ability to develop management decisions with an assessment of the risks associated with their implementation</p>	<p>Knows the main performance indicators of a medical organization Is able to generate performance indicators, assess their effectiveness, and assess the risks associated with their implementation Possesses the skills of forming performance indicators, assessing their effectiveness, as well as the ability to develop management decisions with an assessment of the risks associated with their implementation</p>

Annotation of the work program of the academic discipline "Medical Cybernetics"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 2 z.u. (72 hours). The curriculum includes practical exercises (36 hours) and independent work (36 hours). Assessment of learning outcomes: 1 semester credit.

Goals and objectives of mastering the discipline:

Purpose:

- formation of a system of competencies in the field of theoretical foundations and patterns of construction and functioning of cybernetic systems in relation to public health and health care organization.

Tasks:

- Comprehension of the worldview and cultural significance of the theory of medical cybernetics as a necessary result of the development of science, taking into account the needs of the study of increasingly complex objects of cognition.

- Creation of a basic theoretical basis and elementary skills necessary for the formation of a systemic worldview and mastering the theory of management at the modern stage;

- Familiarity with various management systems in order to further develop them.

- Training in methodology and techniques for assessing and managing public health;

- Mastering the skills of developing various health management systems;

- Building preparedness to address public health challenges.

As a result of studying this discipline, students form the following universal, general professional and professional competencies (elements of competencies).

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-5 Ability to assess the effectiveness of a medical organization, develop and select optimal management solutions, develop a business plan for the development of a medical organization, use a process approach in the management of a medical organization, use technological maps of the processes of a medical organization	PC-5.1 Knows the methods of planning a medical organization PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, development of business planning and investment projects
Organizational and managerial	PC-6 Ability to develop plans and programs, form a system of indicators for the activities of a medical organization, assess the effectiveness of the activities of a medical organization, develop options for management decisions and assess the risks associated with their implementation	PC-6.1 Knows the peculiarities of the formation of the system of indicators of a medical organization PC-6.2 Is able to assess the effectiveness of the activities of a medical organization, taking into account the formed system of indicators PC-6.3 Proficient in the formation of performance indicators, assessment

Code and Competency Statement	Stages of competence formation
PC-5.1 Knows the methods of planning a medical organization	Knows the methods of planning a medical organization Able to plan the work of a medical organization
PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects	Knows the rules for drawing up a plan for a medical organization, developing a business plan, an investment project Is able to draw up a plan for a medical organization, develop business planning and investment projects Possesses the skill of drawing up a plan for a medical organization, developing business and investment projects
PC-5.3 Proficient in planning, development of business planning and investment projects	Knows the principles of goal-setting, types and methods of organizational planning and fundamental concepts of financial management, as well as the method of process approach to the management of a medical organization Able to develop corporate, competitive and functional strategies for the development of the organization, develop investment projects and conduct their verification He is proficient in the methods of formulating and implementing strategies at the level of a business unit,

	developing and implementing marketing programs, as well as methods of investment analysis and analysis of financial markets, a process approach in the management of a medical organization and the possibility of using technological maps of the processes of a medical organization.
PC-6.1 Knows the peculiarities of the formation of the system of indicators of a medical organization	Knows the specifics of the formation of the system of indicators of a medical organization Able to form and fulfill the indicators of a medical organization Possesses the skill of forming and fulfilling the indicators of a medical organization
PC-6.2 Is able to assess the effectiveness of the activities of a medical organization, taking into account the formed system of indicators	Knows the main performance indicators of a medical organization Is able to assess the effectiveness of a medical organization, taking into account the formed system of indicators Possesses the skill of assessing the effectiveness of the activities of a medical organization, taking into account the formed system of indicators
PC-6.3 Possesses the skills of forming performance indicators, assessing their effectiveness, as well as the ability to develop management decisions with an assessment of the risks associated with their implementation	Knows the main performance indicators of a medical organization Is able to generate performance indicators, assess their effectiveness, and assess the risks associated with their implementation Possesses the skills of forming performance indicators, assessing their effectiveness, as well as the ability to develop management decisions with an assessment of the risks associated with their implementation

For the formation of the above competencies within the framework of the discipline "Medical Cybernetics", the following methods of active/interactive learning are used: practical classes - dispute, round table (preparation and discussion of abstracts).

Annotation of the work program of the academic discipline "Systems analysis and management in healthcare"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 2 z.u. (72 hours). The curriculum includes practical exercises (36 hours) and independent work (36 hours). Assessment of learning outcomes: 1 semester credit.

Goals and objectives of mastering the discipline:

Purpose:

- formation of a system of competencies in the field of theoretical foundations and patterns of construction and functioning of systems in relation to public health and health care organization.

Tasks:

- Comprehension of the worldview and cultural significance of the theory of system analysis as a necessary result of the development of science, taking into account the needs of the study of increasingly complex objects of cognition.
- Creation of a basic theoretical framework and elementary skills necessary for the formation of a systemic worldview and mastering the systems approach.
- Mastering the initial skills of applied system analysis in order to further develop them in the disciplines of the management cycle.
- Training in methodology and techniques for assessing and managing public health;
- Training in a systematic approach to public health analysis;
- Building preparedness to address public health challenges.

As a result of studying this discipline, students form the following universal, general professional and professional competencies (elements of competencies).

Professional competencies of graduates and indicators of their achievement:

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-5 Ability to assess the effectiveness of a medical organization, develop and select optimal management solutions, develop a business plan for the development of a medical organization, use a process approach in the management of a medical organization, use technological maps of the processes of a medical organization	PC-5.1 Knows the methods of planning a medical organization PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, development of business planning and investment projects
Organizational and managerial	PC-6 Ability to develop plans and programs, form a system of indicators for the activities of a medical organization, assess the effectiveness of the activities of a medical organization, develop options for management decisions and assess the risks associated with their implementation	PC-6.1 Knows the peculiarities of the formation of the system of indicators of a medical organization PC-6.2 Is able to assess the effectiveness of the activities of a medical organization, taking into account the formed system of indicators PC-6.3 Proficient in the formation of performance indicators, assessment

Code and Competency Statement	Stages of competence formation
PC-5.1 Knows the methods of planning a medical organization	Knows the methods of planning a medical organization Able to plan the work of a medical organization
PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects	Knows the rules for drawing up a plan for a medical organization, developing a business plan, an investment project Is able to draw up a plan for a medical organization, develop business planning and investment projects Possesses the skill of drawing up a plan for a medical organization, developing business and investment projects
PC-5.3 Proficient in planning, development of business planning and investment projects	Knows the principles of goal-setting, types and methods of organizational planning and fundamental concepts of financial management, as well as the method of process approach to the management of a medical organization Able to develop corporate, competitive and functional strategies for the development of the organization, develop investment projects and conduct their verification He is proficient in the methods of formulating and implementing strategies at the level of a business unit,

	developing and implementing marketing programs, as well as methods of investment analysis and analysis of financial markets, a process approach in the management of a medical organization and the possibility of using technological maps of the processes of a medical organization.
PC-6.1 Knows the peculiarities of the formation of the system of indicators of a medical organization	Knows the specifics of the formation of the system of indicators of a medical organization Able to form and fulfill the indicators of a medical organization Possesses the skill of forming and fulfilling the indicators of a medical organization
PC-6.2 Is able to assess the effectiveness of the activities of a medical organization, taking into account the formed system of indicators	Knows the main performance indicators of a medical organization Is able to assess the effectiveness of a medical organization, taking into account the formed system of indicators Possesses the skill of assessing the effectiveness of the activities of a medical organization, taking into account the formed system of indicators
PC-6.3 Possesses the skills of forming performance indicators, assessing their effectiveness, as well as the ability to develop management decisions with an assessment of the risks associated with their implementation	Knows the main performance indicators of a medical organization Is able to generate performance indicators, assess their effectiveness, and assess the risks associated with their implementation Possesses the skills of forming performance indicators, assessing their effectiveness, as well as the ability to develop management decisions with an assessment of the risks associated with their implementation

For the formation of the above competencies within the framework of the discipline "Systems analysis and management in healthcare", the following methods of active/interactive learning are used: practical classes - dispute, round table (preparation and discussion of abstracts).

Annotation of the Curriculum of the Academic Discipline "Social Security Issues"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 3 CU (108 hours). The curriculum includes lectures (9 hours), practical classes (27 hours) and independent work (72 hours, of which 45 hours are for exam preparation). Assessment of learning outcomes: 1 semester-exam.

Goals and objectives of mastering the discipline:

Purpose:

to provide theoretical knowledge to students in the field of social insurance, which is designed to provide social protection of the population in a market economy.

Tasks:

- study of the essence, concept and necessity of social protection of the population and civil law commercial insurance;
- Analysis of classification schemes of insurance and forms of its implementation;
- Study of the legal and legal foundations of social protection of the population in the system of compulsory social insurance and in the field of commercial insurance;
- study of the organization of the system of social protection of the population, the characteristics of the elements of social protection of the population;
- Study of the legislative basis for the management of the compulsory social insurance system:
- Study of the financial foundations of the compulsory social insurance system;
- Study of the financial mechanism of the social insurance system;
- understanding of the basics of building insurance tariffs;
- study of the financial foundations of insurance activities and investment activities of insurance companies;
- study of factors that ensure the financial stability of the social insurance system (state guarantees) and insurance companies;
- study of the social protection system in foreign countries, EU countries;

- regularities of the development of the world insurance economy, the study of state and non-state private insurance, the prospects for their development.

As a result of studying this discipline, students form the following universal, general professional and professional competencies (elements of competencies).

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-3 Ability to organize, plan and control the activities of a structural unit of a medical organization	PC-3.1 Knows Standards of Care PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution
Organizational and managerial	PC-4 Ability to analyze and evaluate the performance of a medical organization, manage the resources of a medical organization, develop and implement a quality management system in a medical organization, prepare a justification for the volume of medical care in accordance with the resources of the medical organization and the needs of the population	PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization PP-4.3 Possesses skills of a systematic approach in the development of development plans

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
PC-3.1 Knows Standards of Care	Knows the standards of medical care Knows how to provide first aid Proficient in first aid
PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Is able to assess the resources of a medical organization and implement a quality management system Proficient in assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution	Knows the reporting documentation of the medical organization Is able to prepare reporting documentation for a medical organization

	Possesses the necessary skills for the preparation of reporting documentation, assessment of the activities of a health care institution
PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities	Knows the methodology for a comprehensive assessment of the results of the activities of a medical organization Able to conduct a comprehensive assessment of the results of the activities of a medical organization Possesses the skill of conducting a comprehensive assessment of the results of the activities of a medical organization
PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization	Knows the optimal areas of activity of a medical organization Able to develop and select the optimal areas of activity of a medical organization Possesses the skill of developing the optimal direction of the medical organization's activities
PP-4.3 Possesses skills of a systematic approach in the development of development plans	Knows a systematic approach to the development of plans for the development of a medical organization Knows how to develop Possesses the skills of a systematic approach to the development of development plans

For the formation of the above competencies within the framework of the discipline "Social Security Issues", the following methods of active/interactive learning are used: lectures - conferences, problem lectures, lectures-visualizations; practical classes - dispute, round table (preparation and discussion of abstracts).

Annotation of the work program of the academic discipline "Social insurance and the quality of health care"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 3 CU (108 hours). The curriculum includes lectures (9 hours), practical classes (27 hours) and independent work (72 hours, of which 45 hours are for exam preparation). Assessment of learning outcomes: 1 semester-exam.

Goals and objectives of mastering the discipline:

The purpose of the discipline is to provide students with theoretical knowledge in the field of social insurance, which is designed to provide social protection of the population in a market economy.

Objectives of the discipline:

- study of the essence, concept and necessity of social protection of the population and civil law commercial insurance;
- Analysis of classification schemes of insurance and forms of its implementation;
- Study of the legal and legal foundations of social protection of the population in the system of compulsory social insurance and in the field of commercial insurance;
- study of the organization of the system of social protection of the population, the characteristics of the elements of social protection of the population;
- Study of the legislative basis for the management of the compulsory social insurance system:
- Study of the financial foundations of the compulsory social insurance system;
- Study of the financial mechanism of the social insurance system;
- understanding of the basics of building insurance tariffs;
- study of the financial foundations of insurance activities and investment activities of insurance companies;
- study of factors that ensure the financial stability of the social insurance system (state guarantees) and insurance companies;

- study of the social protection system in foreign countries, EU countries; patterns of development of the world insurance economy, study of state and non-state private insurance, prospects for their development.

Upon completion of the study of the discipline "Social Insurance and Quality of Medical Care", the following professional competencies (elements of competences) are formed for masters of the specialty 32.04.01 "Public Health":

- ability and willingness to prepare and apply scientific, scientific, production, project, organizational, managerial and regulatory documentation;

- ability and willingness to use information technology;

- ability and willingness to organize and implement applied and practical projects and other activities to study and model social, economic, epidemiological and other conditions that affect the health and quality of life of the population;

- ability and readiness to plan, organize and implement measures to ensure the protection of public health.

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-3 Ability to organize, plan and control the activities of a structural unit of a medical organization	PC-3.1 Knows Standards of Care PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution
Organizational and managerial	PC-4 Ability to analyze and evaluate the performance of a medical organization, manage the resources of a medical organization, develop and implement a quality management system in a medical organization, prepare a justification for the volume of medical care in accordance with the resources of the medical organization and the needs of the population	PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization PP-4.3 Possesses skills of a systematic approach in the development of development plans

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
PC-3.1 Knows Standards of Care	Knows the standards of medical care Knows how to provide first aid Proficient in first aid
PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Is able to assess the resources of a medical organization and implement a quality management system Proficient in assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution	Knows the reporting documentation of the medical organization Is able to prepare reporting documentation for a medical organization Possesses the necessary skills for the preparation of reporting documentation, assessment of the activities of a health care institution
PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities	Knows the methodology for a comprehensive assessment of the results of the activities of a medical organization Able to conduct a comprehensive assessment of the results of the activities of a medical organization Possesses the skill of conducting a comprehensive assessment of the results of the activities of a medical organization
PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization	Knows the optimal areas of activity of a medical organization Able to develop and select the optimal areas of activity of a medical organization Possesses the skill of developing the optimal direction of the medical organization's activities
PP-4.3 Possesses skills of a systematic approach in the development of development plans	Knows a systematic approach to the development of plans for the development of a medical organization Knows how to develop Possesses the skills of a systematic approach to the development of development plans

For the formation of the above competencies within the framework of the discipline "Social insurance and the quality of health care", the following methods of active/interactive learning are used: lectures - conferences, problem lectures, lectures-visualizations; practical classes - dispute, round table (preparation and discussion of abstracts).

Annotation of the Work Program of the Academic Discipline "Legal Issues in Medicine"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 2 z.u. (72 hours). The curriculum includes lectures (18 hours), practical classes (18 hours) and independent work (36 hours). Assessment of learning outcomes: 2 semester credit.

Goals and objectives of mastering the discipline:

Purpose:

formation of a holistic theoretical view of medical law in masters, disclosure of key problems of modern legislation in the field of health care.

Tasks:

1. To provide the student with knowledge of the current legislation of the Russian Federation, international norms of law in the field of medicine.
2. To acquaint the student with modern views on the rapidly developing discipline - medical law, to lay down a holistic view of the system and structure of the legislation of the Russian Federation on health care, to identify and analyze the main trends in the field of medical law, to analyze the regulatory framework for the rights of patients and medical workers.
3. To instill the skills and abilities to use the acquired knowledge in practical activities.

As a result of studying this discipline, students form the following universal, general professional and professional competencies (elements of competencies).

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-3 Ability to organize, plan and control the activities of a structural unit of a medical organization	PC-3.1 Knows Standards of Care PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution
Organizational and managerial	PC-5 Ability to assess the effectiveness of a medical organization, develop and select optimal management solutions, develop a business plan for the development of a medical organization, use a process approach in the management of a medical organization, use technological maps of the processes of a medical organization	PC-5.1 Knows the methods of planning a medical organization PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, development of business planning and investment projects

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
PC-3.1 Knows Standards of Care	Knows the standards of medical care Knows how to provide first aid Proficient in first aid
PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Is able to assess the resources of a medical organization and implement a quality management system Proficient in assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution	Knows the reporting documentation of the medical organization Is able to prepare reporting documentation for a medical organization

	Possesses the necessary skills for the preparation of reporting documentation, assessment of the activities of a health care institution
PC-5.1 Knows the methods of planning a medical organization	Knows the methods of planning a medical organization Able to plan the work of a medical organization
PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects	Knows the rules for drawing up a plan for a medical organization, developing a business plan, an investment project Is able to draw up a plan for a medical organization, develop business planning and investment projects Possesses the skill of drawing up a plan for a medical organization, developing business and investment projects
PC-5.3 Proficient in planning, development of business planning and investment projects	Knows the principles of goal-setting, types and methods of organizational planning and fundamental concepts of financial management, as well as the method of process approach to the management of a medical organization Able to develop corporate, competitive and functional strategies for the development of the organization, develop investment projects and conduct their verification He is proficient in the methods of formulating and implementing strategies at the level of a business unit, developing and implementing marketing programs, as well as methods of investment analysis and analysis of financial markets, a process approach in the management of a medical organization and the possibility of using technological maps of the processes of a medical organization.

For the formation of the above competencies within the framework of the discipline "Legal issues in medicine", the following methods of active/interactive learning are used: active/interactive learning: lectures – conferences, problem-based lectures, lectures-visualizations; practical classes – debate, round table (preparation and discussion of abstracts), mind mapping, glossary compilation.

Annotation of the work program of the academic discipline "Problems of organizing medical and preventive care for the population"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 2 z.u. (72 hours). The curriculum includes lectures (18 hours), practical classes (18 hours) and independent work (36 hours). Assessment of learning outcomes: 2 semester credit.

Goals and objectives of mastering the discipline:

Purpose:

study of the system of providing medical care to the attached population.

Tasks:

- public health and its determinants;
- systems to preserve, promote and restore the health of the population;
- organizational, medical and management technologies;
- trends in the development of healthcare in foreign countries and in Russia.

As a result of studying this discipline, students form the following universal, general professional and professional competencies (elements of competencies).

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-3 Ability to organize, plan and control the activities of a structural unit of a medical organization	PC-3.1 Knows Standards of Care PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-5 Ability to assess the effectiveness of a medical organization, develop and select optimal management solutions, develop a business plan for the development of a medical organization, use a process approach in the management of a medical organization, use technological maps of the processes of a medical organization	PC-5.1 Knows the methods of planning a medical organization PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, development of business planning and investment projects

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
PC-3.1 Knows Standards of Care	Knows the standards of medical care Knows how to provide first aid Proficient in first aid
PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Is able to assess the resources of a medical organization and implement a quality management system Proficient in assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution	Knows the reporting documentation of the medical organization Is able to prepare reporting documentation for a medical organization Possesses the necessary skills for the preparation of reporting documentation, assessment of the activities of a health care institution
PC-5.1 Knows the methods of planning a medical organization	Knows the methods of planning a medical organization Able to plan the work of a medical organization
PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects	Knows the rules for drawing up a plan for a medical organization, developing a business plan, an investment project Is able to draw up a plan for a medical organization, develop business planning and investment projects Possesses the skill of drawing up a plan for a medical organization, developing business and investment projects

<p>PC-5.3 Proficient in planning, development of business planning and investment projects</p>	<p>Knows the principles of goal-setting, types and methods of organizational planning and fundamental concepts of financial management, as well as the method of process approach to the management of a medical organization Able to develop corporate, competitive and functional strategies for the development of the organization, develop investment projects and conduct their verification He is proficient in the methods of formulating and implementing strategies at the level of a business unit, developing and implementing marketing programs, as well as methods of investment analysis and analysis of financial markets, a process approach in the management of a medical organization and the possibility of using technological maps of the processes of a medical organization.</p>
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For the formation of the above competencies within the framework of the discipline "Problems of organizing medical and preventive care for the population", the following methods of active/interactive learning are used: lectures - conferences, problem-based lectures, lectures-visualizations; practical classes - dispute, round table (preparation and discussion of abstracts).

Annotation of the work program of the academic discipline "Preventive direction in modern medicine"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 4 CU (144 hours). The curriculum includes lectures (18 hours), practical classes (18 hours) and independent work (108 hours, of which 63 hours are for preparation for the exam). Assessment of learning outcomes: 2nd semester-exam.

Goals and objectives of mastering the discipline:

Purpose:

To form students' professional skills in carrying out medical and preventive measures to solve urgent problems of public health and health care, social medicine, organization and management of health care.

Tasks:

- to give an idea of the preventive direction in medicine;
- to form knowledge about medical and preventive measures;
- to introduce the issues of primary, secondary, tertiary prevention;
- to teach the development of medical and preventive programs and measures.

As a result of studying this discipline, students form the following universal, general professional and professional competencies (elements of competencies).

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-4 Ability to analyze and evaluate the performance of a medical organization, manage the resources of a medical organization, develop and implement a quality management system in a medical organization, prepare a justification for the volume of medical care in accordance with the resources of the medical organization and the needs of the population	PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization PP-4.3 Possesses skills of a systematic approach in the development of development plans

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-5 Ability to assess the effectiveness of a medical organization, develop and select optimal management solutions, develop a business plan for the development of a medical organization, use a process approach in the management of a medical organization, use technological maps of the processes of a medical organization	PC-5.1 Knows the methods of planning a medical organization PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, development of business planning and investment projects

Code and Competency Statement	Stages of competence formation	
PC-4 Ability to analyze and evaluate the performance of a medical organization, manage the resources of a medical organization, develop and implement a quality management system in a medical organization, prepare a justification for the volume of medical care in accordance with the resources of the medical organization and the needs of the population	Knows	principles of organization and implementation of measures to ensure public health protection and implementation of a quality management system in a medical organization
	Can	plan measures to ensure the protection of public health, implement a quality management system in a medical organization, prepare a justification for the volume of medical care in accordance with the resources of the medical organization
	Owns	skills in organizing and implementing measures to ensure public health, as well as methods for analyzing and evaluating the performance of a medical organization, managing the resources of a medical organization, methods for developing and implementing a quality management system in a medical organization, preparing a justification for the volume of medical care in accordance with the resources of a medical organization and the needs of the population
PC-5 Ability to assess the effectiveness of a medical organization, develop and select optimal management solutions, develop a business plan for the development of a medical organization, use a process approach in the management of a	Knows	Principles of goal-setting, types and methods of organizational planning and fundamental concepts of financial management, as well as the method of process approach to the management of a medical organization
	Can	Develop corporate, competitive and functional strategies for the development of the organization, develop investment projects and conduct their verification
	Owns	Methods of formulating and implementing strategies at the level of a business unit, development and implementation of marketing programs, as well as

<p>medical organization, use technological maps of the processes of a medical organization</p>		<p>methods of investment analysis and analysis of financial markets, a process approach in the management of a medical organization and the possibility of using technological maps of the processes of a medical organization.</p>
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For the formation of the above competencies within the framework of the discipline "Preventive direction in modern medicine", the following methods of active/interactive learning are used: lectures - conferences, problem lectures, lectures-visualizations; practical classes - dispute, round table (preparation and discussion of abstracts).

Annotation of the Work Program of the Academic Discipline "Business Planning in Healthcare"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 4 CU (144 hours). The curriculum includes lectures (18 hours), practical classes (18 hours) and independent work (108 hours, of which 63 hours are for preparation for the exam). Assessment of learning outcomes: 2nd semester-exam.

Goals and objectives of mastering the discipline:

Purpose:

formation of a student's complex of knowledge on the theoretical foundations and acquisition of practical skills in business planning, which involves mastering the methodology of strategic analysis of the external and internal environment of the organization, diagnostics of the company's state, development of a strategy for maintaining and developing competitive advantages.

Tasks:

1. To form students' knowledge and practical skills in the application of methods and techniques for research and;
2. To form students' skills of generalization of empirical dependencies of economic variables;
3. To form students' skills in developing alternative strategies for the development of an organization, region, country;
4. To develop students' ability to solve problems related to analysis, evaluation and strategic decision-making, development of alternatives adequate to the market situation.

As a result of studying this discipline, students form the following universal, general professional and professional competencies (elements of competencies).

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-4 Ability to analyze and evaluate the performance of a medical organization, manage the resources	PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
	of a medical organization, develop and implement a quality management system in a medical organization, prepare a justification for the volume of medical care in accordance with the resources of the medical organization and the needs of the population	PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization PP-4.3 Possesses skills of a systematic approach in the development of development plans
Organizational and managerial	PC-5 Ability to assess the effectiveness of a medical organization, develop and select optimal management solutions, develop a business plan for the development of a medical organization, use a process approach in the management of a medical organization, use technological maps of the processes of a medical organization	PC-5.1 Knows the methods of planning a medical organization PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, development of business planning and investment projects

Code and Competency Statement	Stages of competence formation	
PC-4 Ability to analyze and evaluate the performance of a medical organization, manage the resources of a medical organization, develop and implement a quality management system in a medical organization, prepare a justification for the volume of medical care in accordance with the resources of the medical organization and the needs of the population	Knows	principles of organization and implementation of measures to ensure public health protection and implementation of a quality management system in a medical organization
	Can	plan measures to ensure the protection of public health, implement a quality management system in a medical organization, prepare a justification for the volume of medical care in accordance with the resources of the medical organization
	Owns	skills in organizing and implementing measures to ensure public health, as well as methods for analyzing and evaluating the performance of a medical organization, managing the resources of a medical organization, methods for developing and implementing a quality management system in a medical organization, preparing a justification for the volume of medical care in accordance with the resources of a medical organization and the needs of the population
PC-5 Ability to assess the effectiveness of a medical organization, develop and	Knows	Principles of goal-setting, types and methods of organizational planning and fundamental concepts of financial management, as well as the method of process approach to the management of a medical organization

select optimal management solutions, develop a business plan for the development of a medical organization, use a process approach in the management of a medical organization, use technological maps of the processes of a medical organization	Can	Develop corporate, competitive and functional strategies for the development of the organization, develop investment projects and conduct their verification
	Owns	Methods of formulating and implementing strategies at the level of a business unit, development and implementation of marketing programs, as well as methods of investment analysis and analysis of financial markets, a process approach in the management of a medical organization and the possibility of using technological maps of the processes of a medical organization.

For the formation of the above competencies within the framework of the discipline "Business planning in healthcare", the following methods of active/interactive learning are used: lectures - conferences, problem lectures, lectures-visualizations; practical classes - dispute, round table (preparation and discussion of abstracts).

Annotation of the work program of the academic discipline "Assessment of the quality of medical care"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 2 z.u. (72 hours). The curriculum includes practical exercises (36 hours) and independent work (36 hours). Assessment of learning outcomes: 2 semester credit.

Goals and objectives of mastering the discipline:

Purpose:

study of the essence of the managerial system approach to the quality of medical care.

Tasks:

- build an understanding of the system of quality of medical care, its legal, ethical, medical, social and economic aspects
- learn how to navigate in various situations of assessing the quality of medical care

As a result of studying this discipline, students form the following universal, general professional and professional competencies (elements of competencies).

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-2 Ability to prepare presentation materials, information and analytical materials, certificates on the activities of a medical organization or its divisions, conduct organizational and methodological activities in a medical organization	PC-2.1 Knows how to organize, manage, and plan medical activities PC-2.2 Is able to carry out organizational and methodological work in the divisions of a medical organization PC-2.3 Possesses management skills to conduct organizational and methodological activities in a medical organization

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-3 Ability to organize, plan and control the activities of a structural unit of a medical organization	PC-3.1 Knows Standards of Care PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
PC-3.1 Knows Standards of Care	Knows the standards of medical care Knows how to provide first aid Proficient in first aid
PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Is able to assess the resources of a medical organization and implement a quality management system Proficient in assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution	Knows the reporting documentation of the medical organization Is able to prepare reporting documentation for a medical organization Possesses the necessary skills for the preparation of reporting documentation, assessment of the activities of a health care institution
PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities	Knows the methodology for a comprehensive assessment of the results of the activities of a medical organization Able to conduct a comprehensive assessment of the results of the activities of a medical organization Possesses the skill of conducting a comprehensive assessment of the results of the activities of a medical organization
PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization	Knows the optimal areas of activity of a medical organization Able to develop and select the optimal areas of activity of a medical organization Possesses the skill of developing the optimal direction of the medical organization's activities

PP-4.3 Possesses skills of a systematic approach in the development of development plans	Knows a systematic approach to the development of plans for the development of a medical organization Knows how to develop Possesses the skills of a systematic approach to the development of development plans
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For the formation of the above competencies within the framework of the discipline "Assessment of the quality of medical care", the following methods of active/interactive learning are used: practical classes - dispute, round table (preparation and discussion of abstracts).

Annotation of the work program of the academic discipline "Standardization and management of health care"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 2 z.u. (72 hours). The curriculum includes practical exercises (36 hours) and independent work (36 hours). Assessment of learning outcomes: 2 semester credit.

Goals and objectives of mastering the discipline:

Purpose:

study of the essence of the managerial system approach to the quality of medical care.

Tasks:

- build an understanding of the standardization system;
- learn to navigate the different typologies of medical care standards.

As a result of studying this discipline, students form the following universal, general professional and professional competencies (elements of competencies).

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-2 Ability to prepare presentation materials, information and analytical materials, certificates on the activities of a medical organization or its divisions, conduct organizational and methodological activities in a medical organization	PC-2.1 Knows how to organize, manage, and plan medical activities PC-2.2 Is able to carry out organizational and methodological work in the divisions of a medical organization PC-2.3 Possesses management skills to conduct organizational and methodological activities in a medical organization

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Organizational and managerial	PC-3 Ability to organize, plan and control the activities of a structural unit of a medical organization	PC-3.1 Knows Standards of Care PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
PC-3.1 Knows Standards of Care	Knows the standards of medical care Knows how to provide first aid Proficient in first aid
PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Is able to assess the resources of a medical organization and implement a quality management system Proficient in assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution	Knows the reporting documentation of the medical organization Is able to prepare reporting documentation for a medical organization Possesses the necessary skills for the preparation of reporting documentation, assessment of the activities of a health care institution
PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities	Knows the methodology for a comprehensive assessment of the results of the activities of a medical organization Able to conduct a comprehensive assessment of the results of the activities of a medical organization Possesses the skill of conducting a comprehensive assessment of the results of the activities of a medical organization
PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization	Knows the optimal areas of activity of a medical organization Able to develop and select the optimal areas of activity of a medical organization Possesses the skill of developing the optimal direction of the medical organization's activities

PP-4.3 Possesses skills of a systematic approach in the development of development plans	Knows a systematic approach to the development of plans for the development of a medical organization Knows how to develop Possesses the skills of a systematic approach to the development of development plans
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For the formation of the above competencies within the framework of the discipline "Standardization and management of health care", the following methods of active/interactive learning are used: practical classes - dispute, round table (preparation and discussion of abstracts).

Annotation of Academical training. Introduction practical training

OBJECTIVES OF MASTERING EDUCATIONAL PRACTICE

The purpose of the introductory training practice in the specialty 32.04.01 "Public Health" is to obtain primary skills and abilities in the collection of scientific information and its processing using information technologies.

OBJECTIVES OF EDUCATIONAL PRACTICE

The objectives of the training practice are:

- obtaining primary skills in collecting information for research activities;
- Acquisition of basic professional skills in the creation and processing of databases with the help of statistical software packages;
- Obtaining primary professional skills in the interpretation and presentation of research data in the field of public health.

THE PLACE OF EDUCATIONAL PRACTICE IN THE STRUCTURE OF THE EP

In Block 2.Practice: Educational practice "Academical training. Introduction practical training" in the direction of 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" is part of the part formed by the participants of educational relations, and is a type of training directly focused on the professional and practical training of students.

Educational practice is the first stage of practical training at the level of higher education "master's degree" and is aimed at obtaining students initial skills and abilities in research activities. Educational practice is carried out only in a basic, stationary organization, structural unit with the necessary personnel, scientific, technical and material potential (stationary).

«Academical training. Introduction practical training" is based on the theoretical development of such disciplines as: Sociology of medicine, human ecology and quality of life; Social and hygienic significance of the most important non-infectious and infectious diseases; Medical Cybernetics, Systems analysis and management in healthcare, Social Security Issues, Social insurance and the quality of health care, Healthcare Management and Marketing, Biostatistics, Information technology in healthcare.

Students' practical training is an integral part of the educational process and is necessary for the subsequent study of professional disciplines and practices.

TYPES, METHODS, PLACE AND TIME OF EDUCATIONAL PRACTICE

Type of practice: Educational practice.

Type of practice: Introduction practical training.

Method of conduction: Stationary/on-site.

Form of conduct: Dispersed.

Internship time, duration, course, semester: 1 course, 1 semester: 3 years, 2 weeks, 108 hours.

COMPETENCIES OF THE STUDENT, FORMED AS A RESULT OF THE TRAINING PRACTICE

Professional competencies of graduates and indicators of their achievement:

Code and name of professional competence	The PS code (if there is a PS) or a reference to other grounds	Work function code (if there is a PS)	Competency Achievement Indicators
Type of professional activity tasks: research			
PC-1 Ability to calculate, assess and analyze indicators characterizing the activities of a medical organization and indicators characterizing the state of health of the population			PC-1.1 Knows the principles of information collection and processing PC-1.2 Able to create a data matrix, encode material PC-1.3 Proficient in statistical methods of data processing, including the use of information and analytical systems and the information and telecommunication network "Internet"

Annotation of the Work experience internship. Research and training practice

OBJECTIVES OF THE INTERNSHIP

The purpose of the internship "Work experience internship. Research and training practice" in the specialty 32.04.01 "Public Health" is the consolidation and deepening of theoretical knowledge, the development of practical skills and abilities obtained in the process of studying in the master's degree and the formation of professional competencies of a specialist in the field of public health.

OBJECTIVES OF THE INTERNSHIP

The objectives of the "Work experience internship. Research and training practice" are:

- gaining practical experience and the formation of professional competencies in research, production and project activities;
- familiarization with the principles of the organization of the treatment process, the management system of the medical organization;
- acquisition of practical skills in working with information and personnel of a medical organization;
- assessment of the effectiveness of a medical organization based on the analysis of indicators characterizing the state of health of the population, financial, accounting and statistical accounting data;
 - obtaining primary skills in collecting information for research activities;
- Acquisition of basic professional skills in the creation and processing of databases with the help of statistical software packages;
- Obtaining primary professional skills in the interpretation and presentation of research data in the field of public health

GENERAL INFORMATION ABOUT INTERNSHIP

Type of Practice	<i>Production</i>
Type of Internship	Work experience internship. Research and training practice
Method of conducting	<i>Stationary</i>
Form(s) of the event	<i>Dispersed</i>
Amount of Practice in Credits	6 CU
Duration of Internship	<i>4 weeks, 216 acres. hour.</i>
Course, semester	<i>2nd year; Semester 3</i>
Practice Bases	<i>FEFU Medical Center, in medical organizations at the place of work of undergraduates with the conclusion of contracts</i>

Professional competencies of graduates and indicators of their achievement:

Code and name of professional competence	The PS code (if there is a PS) or a reference to other grounds	Work function code (if there is a PS)	Competency Achievement Indicators
Type of professional activity tasks: organizational and managerial			
<p>PC-4 Ability to analyze and evaluate the performance of a medical organization, manage the resources of a medical organization, develop and implement a quality management system in a medical organization, prepare a justification for the volume of medical care in accordance with the resources of the medical organization and the needs of the population</p>			<p>PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization PP-4.3 Possesses skills of a systematic approach in the development of development plans</p>
<p>PC-5 Ability to assess the effectiveness of a medical organization, develop and select optimal management solutions, develop a business plan for the development of a medical organization, use a process approach in the management of a medical organization, use technological maps of the processes of a medical organization</p>			<p>PC-5.1 Knows the methods of planning a medical organization PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, development of business planning and investment projects</p>

Annotation of the Work experience internship. Research work

OBJECTIVES OF THE RESEARCH WORK

The main goal of the Master's research work is to develop the ability to independently perform research work related to the solution of professional problems, necessary in further professional activities.

OBJECTIVES OF RESEARCH WORK

1. Development of professional research thinking of the master's student, formation of a clear idea of the main professional tasks and ways to solve them;
2. Formation of the ability to plan research work in solving professional problems using modern research methods, modern equipment and computing facilities;
3. Formation of the ability to competently use modern technologies for collecting information, processing and interpreting the experimental data obtained;
4. Conducting bibliographic work on the topic with the involvement of modern information technologies;
5. Processing and analysis of the data obtained, comparison of the results of their own research with the data available in the literature;
6. Ensuring the ability to critically approach the results of one's own research, readiness for professional self-improvement and the development of creative potential and professional skills.

GENERAL INFORMATION ABOUT RESEARCH WORK

Type of Practice	<i>Production</i>
Type of Internship	<i>Research and development</i>
Method of conducting	<i>Stationary</i>
Form(s) of the event	<i>Discrete, dispersed</i>
Amount of Practice in Credits	12 CU
Duration of Internship	<i>8 weeks, 432 acres. hour.</i>
Course, semester	<i>1 year, 2nd semester; 2 year, 3 semester</i>
Practice Bases	<i>FEFU Medical Center, in medical organizations at the place of work of undergraduates with the conclusion of contracts</i>

PLANNED RESULTS OF RESEARCH WORK

Professional competencies of graduates and indicators of their achievement:

Code and name of professional competence	The PS code (if there is a PS) or a reference to other grounds	Work function code (if there is a PS)	Competency Achievement Indicators
Type of professional activity tasks: research			

<p>PC-1 Ability to calculate, assess and analyze indicators characterizing the activities of a medical organization and indicators characterizing the state of health of the population</p>			<p>PC-1.1 Knows the principles of information collection and processing PC-1.2 Able to create a data matrix, encode material PC-1.3 Proficient in statistical methods of data processing, including the use of information and analytical systems and the information and telecommunication network "Internet"</p>
<p>Type of professional activity tasks: organizational and managerial</p>			
<p>PC-2 Ability to prepare presentation materials, information and analytical materials, certificates on the activities of a medical organization or its divisions, conduct organizational and methodological activities in a medical organization</p>			<p>PC-2.1 Knows how to organize, manage, and plan medical activities PC-2.2 Is able to carry out organizational and methodological work in the divisions of a medical organization PC-2.3 Possesses management skills to conduct organizational and methodological activities in a medical organization</p>

Annotation of the Work experience internship. Research activities

OBJECTIVES OF THE INTERNSHIP

The main goal of the Master's research practice is to develop the ability to independently perform research work related to the solution of professional problems, necessary in further professional activities.

OBJECTIVES OF THE INTERNSHIP

1. Development of professional research thinking of the master's degree, formation of a clear idea of the main professional tasks and ways to solve them;
2. Formation of the ability to plan research work in solving professional problems using modern research methods, modern equipment and computing facilities;
3. Formation of the ability to competently use modern technologies for collecting information, processing and interpreting the experimental data obtained;
4. Conducting bibliographic work on the topic with the involvement of modern information technologies;
5. Processing and analysis of the data obtained, comparison of the results of their own research with the data available in the literature; 6. Ensuring the ability to critically approach the results of one's own research, readiness for professional self-improvement and the development of creative potential and professional skills.

GENERAL INFORMATION ABOUT INTERNSHIP

Type of Practice	<i>Production</i>
Type of Internship	<i>Research Practice B2.B.05(P)</i>
Method of conducting	<i>Stationary</i>
Form(s) of the event	<i>Discrete, dispersed</i>
Amount of Practice in Credits	3 CU
Duration of Internship	<i>2 weeks, 108 acres. hour.</i>
Course, semester	<i>2nd year; Semester 3</i>
Practice Bases	<i>FEFU Medical Center, in medical organizations at the place of work of undergraduates with the conclusion of contracts</i>

PLANNED RESULTS OF RESEARCH PRACTICE

Professional competencies of graduates and indicators of their achievement:

Code and name of professional competence	The PS code (if there is a PS) or a reference to other grounds	Work function code (if there is a PS)	Competency Achievement Indicators
Type of professional activity tasks: research			
PC-1 Ability to calculate, assess and analyze indicators characterizing the activities of a medical			PC-1.1 Knows the principles of information collection and processing

<p>organization and indicators characterizing the state of health of the population</p>			<p>PC-1.2 Able to create a data matrix, encode material PC-1.3 Proficient in statistical methods of data processing, including the use of information and analytical systems and the information and telecommunication network "Internet"</p>
<p>Type of professional activity tasks: organizational and managerial</p>			
<p>PC-2 Ability to prepare presentation materials, information and analytical materials, certificates on the activities of a medical organization or its divisions, conduct organizational and methodological activities in a medical organization</p>			<p>PC-2.1 Knows how to organize, manage, and plan medical activities PC-2.2 Is able to carry out organizational and methodological work in the divisions of a medical organization PC-2.3 Possesses management skills to conduct organizational and methodological activities in a medical organization</p>

Annotation of the Work experience internship. Administrative and managerial training

OBJECTIVES OF THE INTERNSHIP

The purpose of the internship to obtain professional skills and experience in organizational and managerial activities in the specialty 32.04.01 "Public Health" is to consolidate and deepen theoretical knowledge, develop practical skills and abilities obtained in the process of studying in the master's program and form professional competencies of a specialist in the field of public health.

OBJECTIVES OF THE INTERNSHIP

The objectives of the internship are:

- gaining practical experience and the formation of professional competencies in organizational and managerial activities;
- familiarization with the principles of the organization of the treatment process, the management system of the medical organization;
- acquisition of practical skills in working with information and personnel of a medical organization;
- assessment of the effectiveness of a medical organization based on the analysis of indicators characterizing the state of health of the population, financial, accounting and statistical accounting data;
 - obtaining primary skills in collecting information for research activities;
- Acquisition of basic professional skills in the creation and processing of databases with the help of statistical software packages;
- Obtaining primary professional skills in the interpretation and presentation of research data in the field of public health

GENERAL INFORMATION ABOUT INTERNSHIP

Type of Practice	<i>Production</i>
Type of Internship	<i>Administrative and management practice (B2.B.06 (P))</i>
Method of conducting	<i>Stationary</i>
Form(s) of the event	<i>Discrete, dispersed</i>
Amount of Practice in Credits	6 CU
Duration of Internship	<i>4 weeks, 216 acres. hour.</i>
Course, semester	<i>2nd year; 4th semester</i>
Practice Bases	<i>FEFU Medical Center, in medical organizations at the place of work of undergraduates with the conclusion of contracts</i>

PLANNED RESULTS OF PRACTICAL TRAINING

Professional competencies of graduates and indicators of their achievement:

Code and name of professional competence	The PS code (if there is a PS) or a reference to other grounds	Work function code (if there is a PS)	Competency Achievement Indicators
Type of professional activity tasks: organizational and managerial			
<p>PC-4 Ability to analyze and evaluate the performance of a medical organization, manage the resources of a medical organization, develop and implement a quality management system in a medical organization, prepare a justification for the volume of medical care in accordance with the resources of the medical organization and the needs of the population</p>			<p>PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization PP-4.3 Possesses skills of a systematic approach in the development of development plans</p>
<p>PC-5 Ability to assess the effectiveness of a medical organization, develop and select optimal management solutions, develop a business plan for the development of a medical organization, use a process approach in the management of a medical organization, use technological maps of the processes of a medical organization</p>			<p>PC-5.1 Knows the methods of planning a medical organization PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, development of business planning and investment projects</p>

Annotation of the Work experience internship. Project training

OBJECTIVES OF THE INTERNSHIP

The purpose of the internship "Work experience internship. Project training" in the specialty 32.04.01 "Public Health" is the consolidation and deepening of theoretical knowledge, the development of practical skills and abilities obtained in the process of studying in the master's program and the formation of professional competencies of a specialist in the field of public health.

OBJECTIVES OF THE INTERNSHIP

The objectives of the "Work experience internship. Project training" are:

- gaining practical experience and the formation of professional competencies in research, production and project activities;
- familiarization with the principles of the organization of the treatment process, the management system of the medical organization;
- acquisition of practical skills in working with information and personnel of a medical organization;
- assessment of the effectiveness of a medical organization based on the analysis of indicators characterizing the state of health of the population, financial, accounting and statistical accounting data;
 - obtaining primary skills in collecting information for research activities;
- Acquisition of basic professional skills in the creation and processing of databases with the help of statistical software packages;
- Obtaining primary professional skills in the interpretation and presentation of research data in the field of public health

GENERAL INFORMATION ABOUT INTERNSHIP

Type of Practice	<i>Production</i>
Type of Internship	<i>Project training</i>
Method of conducting	<i>Stationary</i>
Form(s) of the event	<i>Discrete, dispersed</i>
Amount of Practice in Credits	6 CU
Duration of Internship	<i>4 weeks, 216 acres. hour.</i>
Course, semester	<i>2nd year; Semester 4</i>
Practice Bases	<i>FEFU Medical Center, in medical organizations at the place of work of undergraduates with the conclusion of contracts</i>

PLANNED RESULTS OF PRACTICAL TRAINING

Code and name of professional competence	The PS code (if there is a PS) or a	Work function code (if there is a PS)	Competency Achievement Indicators
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	reference to other grounds		
Type of professional activity tasks: organizational and managerial			
PC-3 Ability to organize, plan and control the activities of a structural unit of a medical organization			PC-3.1 Knows the standards of medical care PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system PP-3.3 Possesses the necessary skills for the preparation of reporting documentation, assessment of the activities of a health care institution
PC-6 Ability to develop plans and programs, form a system of indicators for the activities of a medical organization, assess the effectiveness of the medical organization, develop options for management decisions and assess the risks associated with their implementation			PP-6.1 Knows the specifics of the formation of the system of indicators of a medical organization PC-6.2 Is able to assess the effectiveness of a medical organization, taking into account the formed system of indicators PP-6.3 Possesses the skills of forming performance indicators, assessing their effectiveness, as well as the ability to develop management decisions with an assessment of the risks associated with their implementation

Annotation to the Work experience practice. Research training

OBJECTIVES OF THE RESEARCH PRACTICE

The main goal of the Master's research practice is to develop the ability to independently perform research work related to the solution of professional problems, necessary in further professional activities.

OBJECTIVES OF RESEARCH PRACTICE

1. Development of professional research thinking of the master's degree, formation of a clear idea of the main professional tasks and ways to solve them;
2. Formation of the ability to plan research work in solving professional problems using modern research methods, modern equipment and computing facilities;
3. Formation of the ability to competently use modern technologies for collecting information, processing and interpreting the experimental data obtained;
4. Conducting bibliographic work on the topic with the involvement of modern information technologies;
5. Processing and analysis of the data obtained, comparison of the results of their own research with the data available in the literature; 6. Ensuring the ability to critically approach the results of one's own research, readiness for professional self-improvement and the development of creative potential and professional skills.

GENERAL INFORMATION ABOUT RESEARCH PRACTICE

Type of Practice	<i>Production</i>
Type of Internship	<i>Research Practice B2.B.08(P)</i>
Method of conducting	<i>Stationary</i>
Form(s) of the event	<i>Discretely</i>
Amount of Practice in Credits	12 CU
Duration of Internship	<i>8 weeks, 432 acres. hour.</i>
Course, semester	<i>2nd year; Semester 4</i>
Practice Bases	<i>FEFU Medical Center, in medical organizations at the place of work of undergraduates with the conclusion of contracts</i>

PLANNED RESULTS OF RESEARCH PRACTICE

Professional competencies of graduates and indicators of their achievement:

Code and name of professional competence	The PS code (if there is a PS) or a reference to other grounds	Work function code (if there is a PS)	Competency Achievement Indicators
Type of professional activity tasks: research			
PC-1 Ability to calculate, assess and analyze indicators characterizing the			PC-1.1 Knows the principles of information collection and processing

<p>activities of a medical organization and indicators characterizing the state of health of the population</p>			<p>PC-1.2 Able to create a data matrix, encode material PC-1.3 Proficient in statistical methods of data processing, including the use of information and analytical systems and the information and telecommunication network "Internet"</p>
<p>Type of professional activity tasks: organizational and managerial</p>			
<p>PC-2 Ability to prepare presentation materials, information and analytical materials, certificates on the activities of a medical organization or its divisions, conduct organizational and methodological activities in a medical organization</p>			<p>PC-2.1 Knows how to organize, manage, and plan medical activities PC-2.2 Is able to carry out organizational and methodological work in the divisions of a medical organization PC-2.3 Possesses management skills to conduct organizational and methodological activities in a medical organization</p>

Annotation of the Work experience internship. Predegree Practice

OBJECTIVES OF THE PRE-DIPLOMA INTERNSHIP

The main purpose of the pre-diploma practice in the specialty 32.04.01 "Public Health" is to perform a final qualification work (thesis) on the basis of independently conducted research work (SRW) to develop the ability to independently carry out research activities related to solving professional problems in modern conditions.

The research is carried out by a Master's student under the supervision of a supervisor determined in the second semester. The direction of the Master's student's research work is determined in accordance with the Master's program and the topic of the thesis.

OBJECTIVES OF PRE-DIPLOMA PRACTICE

The objectives of the pre-diploma practice are:

- ensuring the formation of professional research thinking of undergraduates, the formation of a clear idea of the main professional tasks, ways to solve them;
 - formation of skills to use modern technologies for collecting, processing and interpreting empirical data, mastery of modern research methods;
 - formation of the ability to design and implement new content of curricula in educational practice, to develop and implement innovative educational technologies;
 - ensuring readiness for professional self-improvement, development of innovative thinking, creative potential and professional skills;
 - independent formulation and solution of problems arising in the course of research and pedagogical activities; in the field of public health;
 - bibliographic work with the involvement of modern information technologies.

GENERAL INFORMATION ABOUT PRE-DIPLOMA PRACTICE

Type of Practice	<i>Production</i>
Type of Internship	<i>Work experience internship. Predegree Practice</i>
Method of conducting	<i>Stationary</i>
Form(s) of the event	<i>Discrete, dispersed</i>
Amount of Practice in Credits	3 CU
Duration of Internship	<i>2 weeks, 108 acres. hour.</i>
Course, semester	<i>2 year, 4 semester</i>
Practice Bases	<i>FEFU Medical Center, in medical organizations at the place of work of undergraduates with the conclusion of contracts</i>

PLANNED RESULTS OF PRE-DIPLOMA PRACTICE

Professional competencies of graduates and indicators of their achievement:

Code and name of professional competence	The PS code (if there is a PS) or a reference to other grounds	Work function code (if there is a PS)	Competency Achievement Indicators
Type of professional activity tasks: research			
PC-1 Ability to calculate, assess and analyze indicators characterizing the activities of a medical organization and indicators characterizing the state of health of the population			PC-1.1 Knows the principles of information collection and processing PC-1.2 Able to create a data matrix, encode material PC-1.3 Proficient in statistical methods of data processing, including the use of information and analytical systems and the information and telecommunication network "Internet"
Type of professional activity tasks: organizational and managerial			
PC-2 Ability to prepare presentation materials, information and analytical materials, certificates on the activities of a medical organization or its divisions, conduct organizational and methodological activities in a medical organization			PC-2.1 Knows how to organize, manage, and plan medical activities PC-2.2 Is able to carry out organizational and methodological work in the divisions of a medical organization PC-2.3 Possesses management skills to conduct organizational and methodological activities in a medical organization
PC-3 Ability to organize, plan and control the activities of a structural unit of a medical organization			PC-3.1 Knows Standards of Care PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution
PC-4 Ability to analyze and evaluate the performance of a medical organization, manage the resources of a medical organization, develop and implement a quality management system in a medical organization, prepare a justification for			PC-4.1 Knows the methodology for a comprehensive assessment of the results of a medical organization's activities PC-4.2 Is able to develop and select the optimal areas of activity of a medical organization

<p>the volume of medical care in accordance with the resources of the medical organization and the needs of the population</p>			<p>PP-4.3 Possesses skills of a systematic approach in the development of development plans</p>
<p>PC-5 Ability to assess the effectiveness of a medical organization, develop and select optimal management solutions, develop a business plan for the development of a medical organization, use a process approach in the management of a medical organization, use technological maps of the processes of a medical organization</p>			<p>PC-5.1 Knows the methods of planning a medical organization PC-5.2 Is able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, development of business planning and investment projects</p>
<p>PC-6 Ability to develop plans and programs, form a system of indicators for the activities of a medical organization, assess the effectiveness of the activities of a medical organization, develop options for management decisions and assess the risks associated with their implementation</p>			<p>PC-6.1 Knows the peculiarities of the formation of the system of indicators of a medical organization PC-6.2 Is able to assess the effectiveness of the activities of a medical organization, taking into account the formed system of indicators PC-6.3 Possesses the skills of forming performance indicators, assessing their effectiveness, as well as the ability to develop management decisions with an assessment of the risks associated with their implementation</p>

Annotation of the work program of the discipline "Information and analytical modeling of social and hygienic processes"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 2 z.u. (72 hours). The curriculum includes lectures (18 hours), practical classes (36 hours) and independent work (18 hours). Assessment of learning outcomes: 3 semester credit.

Goals and objectives of mastering the discipline:

The purpose of the discipline is to study and acquire theoretical knowledge and the formation of skills and abilities in conducting, organizing and performing social and hygienic monitoring and implementing information and analytical modeling of social and hygienic processes in relation to public health and the organization of health care.

Objectives of the discipline:

- Familiarization with the historical aspects of social and hygienic monitoring in the implementation of information and analytical modeling of social and hygienic processes in relation to public health.

- Mastering the basic understanding of modern information and communication technologies, trends in their development and specific implementations in the field of public health.

- Study of the main directions and methods of scientific research in social and hygienic monitoring in the implementation of information and analytical modeling of social and hygienic processes.

- Formation of practical skills of working with information technology software tools (software products, complexes, information resources, Internet resources, etc.) in the implementation of information and analytical modeling of social and hygienic processes in the public health system and methods of assessing and managing public health.

- Acquisition of skills in analytical processing of medical data and socio-hygienic processes presented in various forms.

- Acquaintance with the latest trends and achievements in computer technologies in the implementation of information and analytical modeling of social and hygienic processes in healthcare.

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Research & Development	PC-1 Ability to calculate, assess and analyze indicators characterizing the activities of a medical organization and indicators characterizing the state of health of the population	PC-1.1 Knows the principles of information collection and processing PC-1.2 Able to create a data matrix, encode material PC-1.3 Proficient in statistical methods of data processing, including the use of information and analytical systems and the information and telecommunication network "Internet"

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
PC-1.1 Knows the principles of information collection and processing	Knows the principles of collecting, processing, analyzing, and providing information Able to collect, process, analyze and provide information in his/her professional activities Possesses the skill of collecting, processing, analyzing and providing information in their professional activities
PC-1.2 Able to create a data matrix, encode material	Knows how to encode information Able to create a data matrix, encode the material Proficient in coding material
PC-1.3 Proficient in statistical methods of data processing, including the use of information and analytical systems and the information and telecommunication network "Internet"	Knows the basic methods of data processing, including the use of information and analytical systems and the information and telecommunication network "Internet" Able to process data and present it Proficient in statistical methods of data processing, including the use of information and analytical systems and the information and telecommunication network "Internet"

For the formation of the above competencies within the framework of the discipline "Information and analytical modeling of social and hygienic processes", *the following methods of active/interactive learning are used: lectures - conferences, problem lectures, lectures-visualizations; practical classes - dispute, round table (preparation and discussion of abstracts).*

Annotation of the work program of the discipline "System and entropy patterns of information processing"

The curriculum of the academic discipline is designed for students of the Master's degree program 32.04.01 Public Health "Leadership and governance in public health (program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for the field of training 32.04.01 Public Health, approved by the order of the Ministry of Education and Science of the Russian Federation No. 485 dated 31.05.2017.

The total labor intensity of mastering the discipline is 2 z.u. (72 hours). The curriculum includes lectures (4 hours), practical classes (18 hours) and independent work (50 hours). Assessment of learning outcomes: 2 semester credit.

The purpose of the discipline: To prepare students for the study of subsequent disciplines, both those that form the scientific and theoretical foundations of the specialty, and others. • Assimilation of the basic provisions of the information approach to the analysis and synthesis of objects, phenomena and systems; Introduction to the information theory of measurements and measuring devices, assimilation of its axiomatic provisions and methods for processing measurement results developed on their basis.

Objectives of the discipline:

- Familiarization with the ways of reflection of the surrounding world in the human consciousness and the corresponding types of information; ontological and semiotic aspects of information;
- Know and be able to use mathematical models, system and entropy patterns; different approaches to estimating the amount of information; methods for assessing the accuracy and quality of measurements using entropy values of measurement uncertainty; practical methods for determining the entropy value; measurement uncertainties based on both theoretical and experimental data;
- Be able to determine the quantitative characteristics of information processes; the correct use of different types of information; determination of the entropy value; measurement uncertainties; Moving from informational estimates of measurement accuracy to estimates based on the use of confidence intervals.

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of mastering)	Code and name of the competency indicator
Research & Development	PC-3 Ability to organize, plan and control the activities of a structural unit of a medical organization	PC-3.1 Knows Standards of Care PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution

Code and name of the competency indicator	Name of the assessment indicator (the result of learning in the discipline)
PC-3.1 Knows Standards of Care	Knows the standards of medical care Knows how to provide first aid Proficient in first aid
PC-3.2 Is able to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Is able to assess the resources of a medical organization and implement a quality management system Proficient in assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills in the preparation of reporting documentation, assessment of the activities of a health care institution	Knows the reporting documentation of the medical organization Is able to prepare reporting documentation for a medical organization Possesses the necessary skills for the preparation of reporting documentation, assessment of the activities of a health care institution