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**"Far Eastern Federal University"**  
(FEFU)  
School of Biomedicine



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**Collection**  
**annotations of work programs of disciplines**

**DIRECTION OF PREPARATION**

**32.04.01 Public health**

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

Full-time form of education

Normative period for mastering the program

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Starting year of preparation: 2021

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## Annotation to the work program of the discipline "Foreign language for special purposes"

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 8 s.u. (288 hours). The curriculum provides for practical classes (144 hours) and independent work (144 hours, of which 36 hours for exam preparation). Assessment of learning outcomes: 1st semester-test, 2nd semester-exam.

Goals and objectives of mastering the discipline:

Target:

- mastering a foreign language by a master student as a means of solving professional problems in an interlingual environment;
- formation of foreign language and speech competencies that allow one to independently read and translate English-language literature in the chosen specialty, to draw up the extracted information in the form of a translation, abstract, abstract (abstract-summary, abstract-summary, review abstract) from English-language sources.

Tasks:

1. Improvement and further development of foreign language competencies obtained in higher education in various types of speech communication.
2. The development of such communication skills that allow you to effectively use 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; education of tolerance of thinking, a culture of interaction, understanding of the commonality of tasks, which will contribute to the successful social adaptation of a specialist abroad and his effective 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	Code and name of universal competence (result of development)	Code and name of the indicator of achievement of competence
Communication	UK-4 Able to use modern communication technologies, including in a foreign language(s), for academic and professional interaction	UK-4.1 Ability to use/apply learned technical terms and grammatical structures to work with original texts of an academic and professional nature UK-4.2 The ability to lexically correctly, competently, logically and consistently generate oral and written statements in situations of academic and professional interaction UK-4.3 The ability to form and defend one's own judgments and scientific positions in a foreign language in situations of academic and professional interaction
Intercultural 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 Owns 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 development)	Code and name of the indicator of achievement of competence
Organization of public events	GPC-5 Ability to organize public events to solve the problems of professional activity, including with international partners	GPC-5.1 Knows the principles of organizing public events with the ability to solve problems in IT technologies with international partners GPC-5.2 Able to take personal part in public events with the ability to solve problems in IT technologies with international partners GPC-5.3 Owns 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 problems of professional activity using foreign languages
	owns	skills in solving problems of professional activity, including the use of communication technologies, taking into account 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 using knowledge of a foreign language in the process of intercultural interaction
	Can	use a foreign language in professional activities, evaluate foreign-language publications
	owns	Information on health issues in foreign literature, skills of free scientific and professional communication in a foreign language environment
OPK-5 the 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 discipline "foreign language for special purposes» the following methods of active/interactive learning are used: practical exercises - debate, round table (preparation and discussion of abstracts), debates, essays.

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

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 2 credits. (72 hours). The curriculum provides for lectures (18 hours) and independent work (54 hours). Evaluation of learning outcomes: 1 semester-test.

Goals and objectives of mastering the discipline:

Target:

the study of the discipline is the acquisition by masters of theoretical knowledge and the formation of skills and abilities in the conduct, organization and performance of scientific work.

Tasks:

- familiarization 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	Code and name of universal competence (result of development)	Code and name of the indicator of achievement of competence
Development and implementation of projects	UK-2 Able to manage a 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 the team of authors in scientific professional activities UK-2.3 Knows the main points of the leader's work, team work, issues of modern law in medical practice
Teamwork and Leadership	UK-3 Able to organize and manage the work of the team, developing a team strategy to achieve the goal	UK-3.1 Knows the main provisions and norms of the leading branches of law to protect the professional activities of medical workers UK-3.2 Able to solve practical problems in the formation of a culture of professional communication between a doctor and patients, colleagues and the management of a medical organization UK-3.3 Has the skills to prepare proposals on certain issues of improving moral standards 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 development)	Code and name of the indicator of achievement of competence
Scientific and organizational activities	GPC-1 Ability to prepare and apply scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system	GPC-1.1 Knows the basics of applying scientific, research and production, design, organizational, managerial and regulatory documentation GPC-1.2 Knows how to use scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system GPC-1.3 Knows how to organize work on the use of scientific and production, design, organizational, managerial and regulatory documentation in the healthcare system

Code and wording of competence	Stages of competence formation	
UK-2 the ability to generate ideas in scientific and professional activities	Knows	principles for the development of research projects
	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 the team of authors
UK-3 Able to organize and manage the work of the team, developing a team strategy to achieve the goal	Knows	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 healthcare
	Can	work in a team, able to act within the framework of agreed goals and objectives; able to take personal responsibility and leadership in the planning and implementation of professional activities - adequately apply the necessary rules of law in their professional activities and in the work of healthcare institutions, - to solve practical problems in the formation of a culture of professional communication between a doctor and patients, colleagues and management
	owns	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 healthcare
OPK-1 Ability to prepare and apply scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system	Knows	principles of preparation and application of scientific, research and production, design, organizational, managerial and regulatory documentation
	Can	prepare scientific, research and production, design, organizational, managerial and regulatory documentation on accounting and auditing
	owns	skills in preparing scientific, research and production, design, organizational, managerial and regulatory documentation for accounting and auditing

For the formation of 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, visualization lectures.



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

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 2 credits. (72 hours). The curriculum includes lectures (18 hours), practical classes (18 hours) and independent work (36 hours). Evaluation of learning outcomes: 1 semester-test.

Goals and objectives of mastering the discipline:

Target:

studying the theoretical issues of providing medical care to the most common diseases and injuries in emergency situations, consolidating and improving theoretical knowledge and norms of medical ethics, acquiring skills and practical skills in providing first aid to suddenly ill and injured during emergency response, acquiring skills and practical skills general and special care for the sick.

Tasks:

- to form a clear idea of the stages of development and clinical manifestations of the most common diseases and lesions in emergency situations;
- be able to provide timely and full first aid in emergency situations;
- own methods of providing care for the sick and injured, 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 development)	Code and name of the indicator of achievement of competence
	GPC-6 Ability to organize patient care and provide first pre-hospital medical care in emergency conditions in emergency situations, epidemics, in centers of mass destruction	GPC-6.1 Knows the methods of organizing patient care and providing first pre-hospital medical care in emergency conditions in the centers of mass destruction GPC-6.2 Able to organize patient care and provision of first pre-medical health care in emergency conditions in

Task type	Code and name of professional competence (result of development)	Code and name of the indicator of achievement of competence
		emergency situations, epidemics, in centers of mass destruction GPC-6.3 Owns the methods of planning and organizing activities for organizing patient care and providing first pre-medical health care in emergency conditions in emergency situations, epidemics, in centers of mass destruction

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
GPC-6.1 Knows the methods of organizing patient care and providing first pre-hospital medical care in emergency conditions in the centers of mass destruction	Knows the methods of organizing patient care and providing first pre-hospital medical care in emergency conditions in the centers of mass destruction Able to organize patient care and provide first pre-medical medical and sanitary assistance in emergency conditions in the centers of mass destruction Possesses the skills of providing first pre-medical medical and sanitary aid in case of emergency in the centers of mass destruction
GPC-6.2 Able to organize patient care and provision of first pre-medical health care in emergency conditions in emergency situations, epidemics, in centers of mass destruction	Knows the methods of organizing patient care and providing first medical aid in case of emergency in emergency situations, epidemics, in centers of mass destruction Able to organize patient care and provision of first pre-hospital medical and sanitary assistance in emergency conditions 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 hotbeds of mass destruction
GPC-6.3 Owns the methods of planning and organizing activities for organizing patient care and providing first pre-medical health care in emergency conditions 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 pre-medical health care in emergency conditions Able to plan activities to ensure the protection of public health; properly draw up official medical documents, maintain primary medical records, taking measures to ensure the protection of public health, as well as the organization of patient care and the provision of first pre-hospital medical care in emergency conditions in emergency situations, epidemics, in centers of mass destruction Owns the methods of planning and organizing activities for organizing patient care and providing first pre-medical

	health care in emergency conditions in emergency situations, epidemics, in centers of mass destruction
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For the formation of the above competencies within the discipline "Providing emergency medical care" the following methods of active / interactive learning are used: lectures - conferences, problematic lectures, visualization lectures; practical exercises - debate, round table (preparation and discussion of abstracts).

## Annotation to the work program of the discipline "Healthcare Management and Marketing"

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

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

Goals and objectives of mastering the discipline

**The purpose of the discipline:** to give masters the 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 the rule of law, as well as to prepare a specialist with modern economic thinking, who knows the methods of marketing in healthcare.

### **Discipline tasks:**

- to study the basic concepts and approaches to the management and self-government of organizations developed by science and practice, both abroad and in our country;
- assimilation of the basic knowledge of marketing activities and the development of new economic thinking;
- to form managers' managerial outlook, thinking, skills and abilities to make and implement managerial decisions;
- formation of behavior skills in a market economy and competition;
- to study the modern system of views on management;
- study the social aspects of management, such as: leadership, style, motivation, people in the management system, etc.
- mastering the skills of making economic decisions in the specific conditions of the work 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 development)	Code and name of the indicator of achievement of competence
	UK-3 Able to organize and manage the work of the team, developing a team strategy to achieve the goal	UK-3.1 Knows the main provisions and norms of the leading branches of law to protect the professional activities of medical workers
		UK-3.2 Able to solve practical problems in the formation of a culture of professional communication between a doctor and patients, colleagues and the management of a medical organization
		UK-3.3 Has the skills to prepare proposals on certain issues of improving moral standards in the activities of medical organizations
	UK-4 Able to use 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 and 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 Owns methods of organizing public events to get acquainted with information on health problems in foreign literature with colleagues in a foreign language environment

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
UK-3.1 Knows the main provisions and norms of the leading branches of law to protect the professional activities of medical workers	Knows the main provisions and norms of the leading branches of law to protect the professional activities of medical workers
UK-3.2 Able to solve practical problems in the formation of a culture of professional communication between a doctor and patients, colleagues and the management of a medical organization	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 healthcare Can work in a team, able to act within the framework of agreed goals and objectives; able to take personal responsibility and leadership in the planning and implementation of professional activities - adequately apply the necessary rules of law in their professional activities and in the work of healthcare institutions,

	<p>- to solve practical problems in the formation of a culture of professional communication between a doctor and patients, colleagues and management</p> <p>Owens a skill 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 healthcare</p>
UK-3.3 Has the skills to prepare proposals on certain issues of improving moral standards in the activities of medical organizations	<p>Knows the moral standards in the activities of medical organizations</p> <p>Able to make proposals on certain issues of improving moral standards in the activities of medical organizations</p> <p>Has the skills to prepare proposals on certain issues of improving moral standards in the activities of medical organizations</p>
UK-4.4 Participates personally in the organization of free scientific and professional communication and in a foreign language environment	<p>Knows a foreign language</p> <p>Able to communicate in foreign language environment</p> <p>Possesses the skill of communication in the scientific and professional sphere 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>Knows how to use a foreign language in professional activities, evaluate foreign-language publications</p> <p>Owens information on health issues in foreign literature, skills of free scientific and professional communication in a foreign language environment</p>
UK-4.6 Owens methods of organizing public events to get acquainted with information on health problems in foreign literature with colleagues in a foreign language environment	<p>Knows the main health problems</p> <p>Able to organize public events on health issues with colleagues in a foreign language environment</p> <p>Owens methods of organizing public events to get acquainted with information on health problems in 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 development)	Code and name of the indicator of achievement of competence
	OPK-3 Ability to implement management principles in professional activities	GPC-3.1 Knows the basic concepts of research processes in medicine for the implementation of management principles in professional activities

Task type	Code and name of professional competence (result of development)	Code and name of the indicator of achievement of competence
		GPC-3.2 Knows how to substantiate the criteria for assessing the implementation of management principles in professional activities
		GPC-3.3 Owns the methods of collecting, processing, analyzing information and presenting them to assess the quality of medical care in the implementation of management principles in professional activities
	OPK-5 Ability to organize public events to solve the problems of professional activity, including with international partners	GPC-5.1 Knows the principles of organizing public events with the ability to solve problems in IT technologies with international partners
		GPC-5.2 Able to take personal part in public events with the ability to solve problems in IT technologies with international partners
		GPC-5.3 Owns methods of organizing public events to solve the problems of professional activity, including with international partners

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
GPC-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 for the implementation of management principles in professional activities Ability to manage a healthcare organization Possesses management skills in his professional activities
GPC-3.2 Knows how to substantiate the criteria for assessing the implementation of management principles in professional activities	Knows the principles of preparation and application of scientific, research and production, design, organizational, managerial and regulatory documentation Able to prepare scientific, research and production, design, organizational, managerial and regulatory documentation for accounting and auditing Has the skills to prepare scientific, research and production, design, organizational, managerial and regulatory documentation for accounting and auditing
GPC-3.3 Owns the methods of collecting, processing, analyzing information and presenting them to assess the quality of medical care in the implementation of management principles in professional activities	Knows the methods of collecting, processing, analyzing information and presenting it to assess the quality of medical care Able to collect, process, analyze and present the information received in the field of his professional activity Owns methods of collecting, processing, analyzing information and presenting them to assess the quality of

	medical care in the implementation of management principles in professional activities
GPC-5.1 Knows the principles of organizing public events with the ability to solve problems in IT technologies with international partners	Knows the principles of organizing public events with the ability to solve problems in IT technologies with international partners Able to organize public events with the ability to solve problems in IT technologies with international partners Possesses the skill of organizing public events with the ability to solve problems in IT technologies with international partners
GPC-5.2 Able to take personal part in public events with the ability to solve problems in IT technologies with international partners	Able to take personal part in public events with the ability to solve problems in IT technologies with international partners Possesses the skill of speaking at public events with international partners
GPC-5.3 Owns methods of organizing public events to solve the problems of professional activity, including with international partners	Knows the methods of organizing public events to solve the problems of professional activity Ability to organize a public event Owns methods of organizing public events for solving problems of professional activity to solve problems of professional activity, including with international partners

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



## Annotation to the work program of the discipline "Biostatistics"

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 3 z.u. (108 hours). The curriculum provides for practical classes (36 hours) and independent work (72 hours, of which 36 hours for preparing for the exam). Evaluation 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:

- study the principles of organization, theoretical foundations and computational aspects of the main sections of one-dimensional and applied multivariate data analysis;

- teach the basic principles of interpreting the results.

The work program of the academic discipline B1.O.05 "Biostatistics" was compiled for students in the educational program of the master's program 32.04.01 Public health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard for direction of preparation 32.04.01 Public health, approved by order of the Ministry of Education and Science of Russia 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 for preparing for the exam). Assessment of learning outcomes: Exam.

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

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

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

Universal competencies graduates and indicators of their achievement:

Name of the category (group) of universal competencies	Code and name of universal competence (result of development)	Code and name of the indicator of achievement of competence
	UK-6 Is able to determine and implement the priorities of their own activities and ways to improve it based on self-assessment	UK-6.1 Knows the basics of scientific research with an explanation of the technology of their own activities
		UK-6.2 Knows how to justify the priorities of their own activities
		UK-6.3 Owns ways to formulate goals, objectives of their own activities and ways to improve it based on self-assessment

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training 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 Able to explain the technology of their own activities Owns the basic methods of scientific research
UK-6.2 Knows how to justify the priorities of their own activities	Knows priority research in his professional field Knows how to justify the priorities of their own activities
UK-6.3 Owns ways to formulate goals, objectives of their own activities and ways to improve it based on self-assessment	Knows the main tasks of his professional activity Knows how to formulate goals, set goals, determine the path to achieve the goal Has knowledge of scientific areas in health care and how to manage them based on 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 development)	Code and name of the indicator of achievement of competence

	OPK-2 The ability to use information technology in professional activities, to comply with the basic requirements of information security	GPC-2.1 Knows and is able to explain the use of information technology
		GPC-2.2 Knows how to justify the criteria for evaluating IT technologies in practice
		GPC-2.3 Has the ability to formulate and explain the need for the use of information technology in the work of medical organizations in compliance with the basic requirements of information security
	OPK-4 The ability to apply modern methods of collecting and processing information, to conduct statistical analysis and interpret the results, to study, analyze, evaluate trends, to predict the development of events in the state of population health	GPC-4.1 Knows the basics of computer technology in the collection, storage, analysis and transmission of information on predicting the development of events in the state of population health
		GPC-4.2 Able to apply computer technologies in the collection, storage, analysis and transmission of information on predicting the development of events in the state of population health
		GPC-4.3 Has the skills to prepare organizational and management documentation in a medical organization for predicting the development of events in the state of population health of the population; possesses methods of multivariate statistics and methods of biological information processing for solving professional problems

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
GPC-2.1 Knows and is able to explain the use of information technology	Knows modern information technologies and software used in professional activities Able to apply modern information technologies and software in solving professional problems. Possesses the skills of collecting, processing, evaluating the reliability of the results and providing the information received through modern information technologies and software
GPC-2.2 Knows how to justify the criteria for evaluating IT technologies in practice	Knows the criteria for evaluating IT technologies in his practice Knows how to substantiate the criteria for evaluating IT technologies in practice Possesses the skill of substantiating the criteria for evaluating IT technologies in practice
GPC-2.3 Has the ability to formulate and explain the need for the use of information technology	Knows the principles of using information technology

<p>in the work of medical organizations in compliance with the basic requirements of information security</p>	<p>Able to apply knowledge on the use of information technology in practice in compliance with the basic requirements of information security Has skills in working with information technologies in healthcare in compliance with the basic requirements of information security</p>
<p>GPC-4.1 Knows the basics of computer technology in the collection, storage, analysis and transmission of information on predicting the development of events in the state of population health</p>	<p>Knows the basics of computer technology in the collection, storage, analysis and transmission of 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</p>
<p>GPC-4.2 Able to apply computer technologies in the collection, storage, analysis and transmission of information on predicting the development of events in the state of population health</p>	<p>Knows the steps of statistical analysis Able to apply computer technologies in the collection, storage, analysis and transmission of information on predicting the development of events in the state of population health Owns methods of using computer technologies in the collection, storage, analysis and transmission of information on predicting the development of events in the state of population health</p>
<p>GPC-4.3 Has the skills to prepare organizational and management documentation in a medical organization for predicting the development of events in the state of population health of the population; possesses methods of multivariate statistics and methods of biological information processing for solving professional problems</p>	<p>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 Owns the methods of multidimensional statistics of biological information processing for solving professional problems, conducting statistical analysis and interpreting the results; methods of studying, analyzing, evaluating trends, to predicting the development of events in the state of population health</p>

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

## Abstract of the work program of the discipline "Information technology in healthcare"

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

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

Goals and objectives of mastering the discipline:

The course "Information Technologies in Healthcare" was developed 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 training is 36 hours, independent work is 72 hours, of which 45 hours are for preparing for the exam. The discipline is implemented in the 1st semester. The form of discipline control is an exam.

The teaching of the course is connected with other disciplines of the program: "Health Economics", "Biostatistics".

**Target disciplines:** acquaintance of the student with modern information technologies

### **Discipline tasks:**

- To get acquainted with the basic concepts of information and information technology;
- to study the subject and main ways of organizing information technology, automated information technology;
- to acquaint with the evolution and development prospects of information technologies, their role in the technologization of social space;
- to study the patterns of the flow of information processes in artificial systems (including control systems), 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 development)	Code and name of the indicator of achievement of competence
	UK-1 Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	UK-1.1 Knows the basics of planning and organizing measures to ensure the protection of public health based on a systematic approach, followed by the development of an action strategy to overcome problem situations
		UK-1.2 Knows how to properly justify the implementation of measures to ensure the protection of public health, draw up official medical documents, resolve problem situations based on a systematic approach, develop an action strategy
		UK-1.3 Has the ability to formulate the tasks of planning and organizing measures to ensure the protection of public health by conducting a critical analysis of problem situations in a medical organization based on a systematic approach, followed by the development of an action strategy

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
UK-1.1 Knows the basics of planning and organizing measures to ensure the protection of public health based on a systematic approach, followed by the development of an action strategy to overcome problem situations	Knows the basics of planning and organizing measures to ensure the protection of public health based on a systematic approach, followed by the development of an action strategy to overcome problem situations Able to plan and organize activities to ensure the protection of public health based on a systematic approach; is able to determine the strategy of action to overcome problem situations in their professional field Possesses the skill of planning and organizing activities to ensure the protection of public health based on a systematic approach
UK-1.2 Knows how to properly justify the implementation of measures to ensure the protection of public health, draw up official medical documents, resolve problem situations based on a systematic approach, develop an action strategy	Knows the methods of protecting human health, the main problem situations in his subject area Knows how to justify the implementation of measures to ensure the protection of public health, properly draw up official medical documents, resolve problem situations based on a systematic approach, develop an action strategy; knows how to draw up official medical documents, resolve problem situations based on a systematic approach, develop an action strategy Has the skill to carry out activities to ensure the protection of public health, properly
UK-1.3 Has the ability to formulate the tasks of planning and	Knows the principles of organizing applied and practical projects and other activities to study and model social,

organizing measures to ensure the protection of public health by conducting a critical analysis of problem situations in a medical organization based on a systematic approach, followed by the development of an action strategy	<p>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>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, critical analysis of problem situations in a medical organization based on a systematic approach, followed by the 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 development)	Code and name of the indicator of achievement of competence
	GPC-2 The ability to use information technology in professional activities, to comply with the basic requirements of information security	GPC-2.1 Knows and is able to explain the use of information technology
		GPC-2.2 Knows how to justify the criteria for evaluating IT technologies in practice
		GPC-2.3 Has the ability to formulate and explain the need for the use of information technology in the work of medical organizations in compliance with the basic requirements of information security

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
GPC-2.1 Knows and is able to explain the use of information technology	<p>Knows modern information technologies and software used in professional activities</p> <p>Able to apply modern information technologies and software in solving professional problems.</p> <p>Possesses the skills of collecting, processing, evaluating the reliability of the results and providing the information received through modern information technologies and software</p>

GPC-2.2 Knows how to justify the criteria for evaluating IT technologies in practice	Knows the criteria for evaluating IT technologies in his practice Knows how to substantiate the criteria for evaluating IT technologies in practice Possesses the skill of substantiating the criteria for evaluating IT technologies in practice
GPC-2.3 Has the ability to formulate and explain the need for the use of information technology in the work of medical organizations in compliance with the basic requirements of information security	Knows the principles of using information technology Able to apply knowledge on the use of information technology in practice in compliance with the basic requirements of information security Has skills in working with information technologies in healthcare in compliance with the basic requirements of information security

For the formation of the above competencies within the discipline "Information technology in healthcare" the following methods of active / interactive learning are used: practical exercises - debate, 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 work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 5 z.u. (180 hours). The curriculum provides for lectures (18 hours), practical classes (36 hours) and independent work (126 hours, of which 54 hours are for preparing for the exam). Evaluation of learning outcomes: 3rd semester-exam.

Goals and objectives of mastering the discipline:

Target:

obtaining theoretical knowledge by masters 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 conditions 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 practical research skills - from collecting information to calculating a system of indicators characterizing the state and patterns of development of public health.

– Formation of the necessary knowledge and skills to use modern basic computer technologies as a tool for predicting the state of public health and health indicators of the region.

– Instilling the skills of searching and processing information to ensure

– accessibility of medical care and improving 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 in the work of the requirements of the governing documents in the organization of events 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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-3 The 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 Knows how to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution
organizational and managerial	PC-5 The ability to evaluate the effectiveness of the activities of a medical organization, develop and select optimal management decisions, develop a business plan for the development of a medical organization, use a process approach in managing 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 Able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, developing business planning and investment projects

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
PC-3.1 Knows the standards of medical care	Knows the standards of medical care Able to provide first aid Proficient in first aid
PC-3.2 Knows how to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Knows how to evaluate the resources of a medical organization and implement a quality management system Possesses the skill of assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution	Knows the reporting documentation of the medical organization Able to prepare reporting documentation of a medical organization Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare 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 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, develop a business plan, an investment project  Able to draw up a plan for a medical organization, develop business planning and investment projects  Has the skill of drawing up a plan for a medical organization, developing business and investment projects</p>
<p>PC-5.3 Proficient in planning, developing 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 a process approach to managing 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 owns the methods of formulating and implementing strategies at the business unit level, developing and implementing marketing programs, as well as methods of investment analysis and analysis of financial markets, a process approach in managing a medical organization and the ability to use flow charts 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, problematic lectures, visualization lectures; practical exercises - debate, 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 work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 3 z.u. (108 hours). The curriculum provides for practical classes (36 hours) and independent work (72 hours). Evaluation of learning outcomes: 1 semester-test.

Goals and objectives of mastering the discipline:

Target:

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

Tasks:

- give an idea of the sociology of medicine;
- to form knowledge about medical and sociological research;
- familiarize with the methods of medical and sociological research;
- to teach how to use the results of medical and sociological research in the analysis of the effectiveness and responsiveness of healthcare, assessing the quality of medical services, studying patient satisfaction with medical care;
- give an idea of the quality of life indicator;
- 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 development)	Code and name of the indicator of achievement of competence
Organizational and managerial	PC-2 Ability to prepare presentation materials, information and analytical materials, information about the activities of a medical organization or its divisions, conducting organizational and methodological activities in a medical organization	PC-2.1 Knows how to organize, manage, plan medical activities PC-2.2 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 indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
PC-2.1 Knows how to organize, manage, plan medical activities	Knows how to organize, manage, plan medical activities Able to plan, organize medical activities Possesses the skill of managing medical activities
PC-2.2 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 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	Knows the basic methods of scientific research in health care, organization of research work, methods of preparing presentation materials, information and analytical references Knows how to set and choose the goal of the work, formulate tasks, publicly present the results of scientific work, prepare a certificate on the activities of a medical organization or its structural divisions Owns methods of collecting, processing, analyzing information, knowledge of scientific areas in healthcare, ways to manage them, as well as methods and methods of conducting organizational and methodological activities in a medical organization

To form the above competencies within the discipline "Sociology of medicine, human ecology and quality of life", the following methods of active / interactive learning are used: practical exercises - debate, round table (preparation and discussion of abstracts).

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

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

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

Goals and objectives of mastering the discipline:

Target:

To give masters 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 state of law.

Tasks:

- The study of trends and factors affecting 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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-2 Ability to prepare presentation materials, information and analytical materials, information about the activities of a medical organization or its divisions, conducting organizational and methodological activities in a medical organization	PC-2.1 Knows how to organize, manage, plan medical activities PC-2.2 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 The 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 rationale for the volume of medical care in accordance with the resources of a medical organization and the needs of the population	PC-4.1 Knows the methodology for a comprehensive assessment of the performance of a medical organization PC-4.2 Able to develop and select the best areas for the activities of a medical organization PC-4.3 Possesses the skills of a systematic approach when developing development plans

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

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 3 z.u. (108 hours). The curriculum includes lectures (18 hours), practical classes (36 hours) and independent work (54 hours). Evaluation of learning outcomes: 2 semester-test.

Goals and objectives of mastering the discipline:

Target:

Study of the medical technology assessment system.

Tasks:

- quality of medical technologies;
- economic efficiency of medical technologies;
- public health and factors determining it;
- systems that ensure the preservation, strengthening and restoration of public health;
- organizational, medical and management technologies;
- health care development trends 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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-4 The 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 rationale for the volume of medical care in accordance with the resources of a medical	PC-4.1 Knows the methodology for a comprehensive assessment of the performance of a medical organization PC-4.2 Able to develop and select the best areas for the activities of a medical organization PC-4.3 Possesses the skills of a systematic approach when developing development plans



Task type	Code and name of professional competence (result of development)	Code and name of the indicator of achievement of competence
	organization and the needs of the population	
organizational and managerial	PC-6 The ability to develop plans and programs, form a system of indicators for the activities of a medical organization, evaluate the effectiveness of a medical organization, develop options for management decisions and assess the risks associated with their implementation	PC-6.1 Knows the features of the formation of a system of indicators of a medical organization PC-6.2 Is able to evaluate the effectiveness of the medical organization, taking into account the formed system of indicators PC-6.3 Has the skills to form performance indicators, evaluate 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 indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
PC-4.1 Knows the methodology for a comprehensive assessment of the performance of a medical organization	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 performance 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 Able to develop and select the best areas for the activities 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 for the activities of a medical organization
PC-4.3 Possesses the skills of a systematic approach when developing development plans	Knows a systematic approach when developing plans for the development of a medical organization Able to work out

	Possesses the skills of a systematic approach in the development of development plans
PC-6.1 Knows the features of the formation of a system of indicators of a medical organization	Knows the features of the formation of a 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 evaluate the effectiveness of the medical organization, taking into account the formed system of indicators	Knows the main performance indicators of a medical organization Knows how to evaluate the effectiveness of the activities of a medical organization, taking into account the formed system of indicators Possesses the skill of evaluating the effectiveness of the activities of a medical organization, taking into account the formed system of indicators
PC-6.3 Has the skills to form performance indicators, evaluate 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 Knows how to form performance indicators, evaluate their effectiveness, assess the risks associated with their implementation Possesses the skills of forming performance indicators, evaluating 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 "Health technology assessment" the following methods of active / interactive learning are used: lectures - conferences, problematic lectures, visualization lectures; practical exercises - debate, round table (preparation and discussion of abstracts).

## Abstract of the work program of the discipline "bioinformatics»

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 3 z.u. (108 hours). The curriculum includes lectures (18 hours), practical classes (36 hours) and independent work (54 hours). Evaluation of learning outcomes: 2 semester-test.

### **Goals and objectives of mastering the discipline:**

Target:

on the basis of studying the basic concepts of the discipline, prepare a specialist with the knowledge and skills to use computer applications, information support tools for medical decisions, automated medical and technological systems to solve problems in medicine and healthcare.

Tasks:

- Raise the level of professional skills in the field of healthcare informatization;
- explore additional possibilities of cybernetics and informatics;
- to study the technological levels of information processing in medicine;
- identify ways and means of applying the acquired knowledge in the practice of medical personnel;
- learn 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 development)	Code and name of the indicator of achievement of competence
research	PC-1 Ability to calculate, evaluate and analyze indicators characterizing the activities of a medical organization, and indicators characterizing the state of public health	PC-1.1 Knows the principles of collecting and processing information PC-1.2 Can create a data matrix, code the material PC-1.3 Owns statistical methods of data processing, including using information and analytical systems and the information and telecommunication network "Internet"

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
PC-1.1 Knows the principles of collecting and processing information	Knows the principles of collecting, processing, analyzing and providing information Able to collect, process, analyze and provide information in their professional activities Possesses the skill of collecting, processing, analyzing and providing information in their professional activities
PC-1.2 Can create a data matrix, code the material	Knows how to encode information Able to create a data matrix, conduct material coding Proficient in coding material
PC-1.3 Owns statistical methods of data processing, including using information and analytical systems and the information and telecommunication network "Internet"	Knows the basic methods of data processing, including using information and analytical systems and the information and telecommunications network "Internet" Ability to process and present data Owns statistical methods of data processing, including using information and analytical systems and information and telecommunications network "Internet"

To form the above competencies within the framework of the Bioinformatics discipline, the following methods of active / interactive learning are used: lectures - conferences, problem lectures, visualization lectures; practical exercises - debate, round table (preparation and discussion of abstracts).

## Annotation of the work program of the academic discipline "Current Issues of Epidemiology"

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 3 z.u. (108 hours). The curriculum provides for lectures (9 hours), practical classes (36 hours) and independent work (63 hours, of which 54 hours for exam preparation). Evaluation of learning outcomes: 2 semester-exam.

Goals and objectives of mastering the discipline:

Target:

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

Tasks:

- on the main theoretical provisions of epidemiology, their application, taking into account the modern characteristics of diseases in the population;
- to identify risk factors and establish cause-and-effect relationships in the system of public health - environment;
- on the use of information technologies in practical activities, including data from evidence-based medicine;
- training in the ability to make decisions in situations of risk;
- 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 development)	Code and name of the indicator of achievement of competence
	PC-1 Ability to calculate, evaluate and analyze indicators characterizing the activities of a medical organization, and indicators characterizing the state of public health	PC-1.1 Knows the principles of collecting and processing information PC-1.2 Can create a data matrix, code the material PC-1.3 Owns statistical methods of data processing, including using information and analytical systems and the information and telecommunication network "Internet"
	PC-4 The 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 rationale for the volume of medical care in accordance with the resources of a medical organization and the needs of the population	PC-4.1 Knows the methodology for a comprehensive assessment of the performance of a medical organization PC-4.2 Able to develop and select the best areas for the activities of a medical organization PC-4.3 Possesses the skills of a systematic approach when developing development plans

Code and wording of competence	Stages of competence formation
PC-1.1 Knows the principles of collecting and processing information	Knows the principles of collecting, processing, analyzing and providing information Able to collect, process, analyze and provide information in their professional activities Possesses the skill of collecting, processing, analyzing and providing information in their professional activities
PC-1.2 Can create a data matrix, code the material	Knows how to encode information Able to create a data matrix, conduct material coding Proficient in coding material
PC-1.3 Owns statistical methods of data processing, including using information and analytical systems and the information and	Knows the basic methods of data processing, including using information and analytical systems and the information and telecommunications network "Internet" Ability to process and present data

telecommunication network "Internet"	Owns statistical methods of data processing, including using information and analytical systems and information and telecommunications network "Internet"
PC-4.1 Knows the methodology for a comprehensive assessment of the performance of a medical organization	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 performance 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 Able to develop and select the best areas for the activities 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 for the activities of a medical organization
PC-4.3 Possesses the skills of a systematic approach when developing development plans	Knows a systematic approach when developing plans for the development of a medical organization Able to work out Possesses the skills of a systematic approach in the development of development plans

To form the above competencies within the framework of the discipline "Current issues of epidemiology", the following methods of active / interactive learning are used: lectures - conferences, problematic lectures, visualization lectures; practical exercises - debate, round table (preparation and discussion of abstracts).

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

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 3 z.u. (108 hours). The curriculum provides for practical classes (18 hours) and independent work (90 hours). Assessment of learning outcomes: 2 semester-test with assessment.

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 (a program in English for foreign citizens)" are to form a holistic theoretical understanding of system of health care, disclosure of key problems of modern legislation and practice in the field of health care.

The objectives of the research seminar are:

1. The study of the current legislation of the Russian Federation, international law in the field of medicine.
2. Conducting a comparative analysis of healthcare systems, forming a holistic view of the system and structure of healthcare legislation in foreign countries, identifying and analyzing the main trends in healthcare development, analyzing the advantages and disadvantages of various systems.
3. To instill 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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-3 The 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 Knows how to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution



Task type	Code and name of professional competence (result of development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-6 The ability to develop plans and programs, form a system of indicators for the activities of a medical organization, evaluate the effectiveness of a medical organization, develop options for management decisions and assess the risks associated with their implementation	PC-6.1 Knows the features of the formation of a system of indicators of a medical organization PC-6.2 Is able to evaluate the effectiveness of the medical organization, taking into account the formed system of indicators PC-6.3 Has the skills to form performance indicators, evaluate 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 indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
PC-3.1 Knows the standards of medical care	Knows the standards of medical care Able to provide first aid Proficient in first aid
PC-3.2 Knows how to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Knows how to evaluate the resources of a medical organization and implement a quality management system Possesses the skill of assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution	Knows the reporting documentation of the medical organization Able to prepare reporting documentation of a medical organization Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution
PC-6.1 Knows the features of the formation of a system of indicators of a medical organization	Knows the features of the formation of a 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 evaluate the effectiveness of the medical organization, taking into account the formed system of indicators	Knows the main performance indicators of a medical organization Knows how to evaluate the effectiveness of the activities of a medical organization, taking into account the formed system of indicators Possesses the skill of evaluating the effectiveness of the activities of a medical organization, taking into account the formed system of indicators
PC-6.3 Has the skills to form performance indicators, evaluate 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 Knows how to form performance indicators, evaluate their effectiveness, assess the risks associated with their implementation Possesses the skills of forming performance indicators, evaluating 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 work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

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

Goals and objectives of mastering the discipline:

Target:

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 the professional skills necessary to carry out an economic analysis of the activities of health care institutions providing medical care to various categories of citizens;
- familiarization with the economic performance of health care institutions;
- mastering the basics of healthcare economics and developing economic thinking;
- formation of competence in the basic categories of healthcare economics;
- formation of work skills in a market economy and competition;
- mastering the skills of making economic decisions in the specific conditions of the work 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 that arise in the field of healthcare;
- training in the most important methods of clinical and economic analysis, allowing rational and efficient 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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-4 The 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 rationale for the volume of medical care in accordance with the resources of a medical organization and the needs of the population	PC-4.1 Knows the methodology for a comprehensive assessment of the performance of a medical organization PC-4.2 Able to develop and select the best areas for the activities of a medical organization PC-4.3 Possesses the skills of a systematic approach when developing development plans
organizational and managerial	PC-5 The ability to evaluate the effectiveness of the activities of a medical organization, develop and select optimal management decisions, develop a business plan for the development of a medical organization, use a process approach in managing 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 Able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, developing business planning and investment projects

Code and wording of competence	Stages of competence formation
PC-4.1 Knows the methodology for a comprehensive assessment of the performance of a medical organization	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 performance 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 Able to develop and select the best areas for the activities 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 for the activities of a medical organization
PC-4.3 Possesses the skills of a systematic approach when developing development plans	Knows the principles of organizing and implementing measures to ensure the protection of public health and the implementation of a quality management system in a medical organization Knows how to plan measures to ensure the protection of public health, implement a quality management system in a medical organization, prepare a rationale for the volume of

	<p>medical care in accordance with the resources of a medical organization</p> <p>Has the skills to organize and implement 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 rationale for the volume of medical care in accordance with the resources of a medical organization and the needs of the population</p>
PC-5.1 Knows the methods of planning a medical organization	<p>Knows the methods of planning a medical organization</p> <p>Able to plan the work of a medical organization</p>
PC-5.2 Able to draw up a plan for a medical organization, develop business planning and investment projects	<p>Knows the rules for drawing up a plan for a medical organization, develop a business plan, an investment project</p> <p>Able to draw up a plan for a medical organization, develop business planning and investment projects</p> <p>Has the skill of drawing up a plan for a medical organization, developing business and investment projects</p>
PC-5.3 Proficient in planning, developing business planning and investment projects	<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 a process approach to managing a medical organization</p> <p>Able to develop corporate, competitive and functional strategies for the development of the organization, develop investment projects and conduct their verification</p> <p>He owns the methods of formulating and implementing strategies at the business unit level, developing and implementing marketing programs, as well as methods of investment analysis and analysis of financial markets, a process approach in managing a medical organization and the ability to use flow charts of the processes of a medical organization.</p>

For the formation of the above competencies within the discipline "Health Economics" the following methods of active / interactive learning are used: lectures - conferences, problem lectures, visualization lectures; 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 work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

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

Goals and objectives of mastering the discipline:

Target:

Formmasters have a holistic theoretical understanding of the healthcare system, including healthcare in foreign countries, the disclosure of key problems of modern legislation and practice in the field of healthcare at the present stage in the Russian Federation and abroad.

Tasks:

1. Study of the current legislation of the Russian Federation, international law in the field of medicine.
2. Carrying out a comparative analysis of healthcare systems, forming a holistic view of the system and structure of healthcare legislation in foreign countries, identifying and analyzing the main trends in healthcare development, analyzing the advantages and disadvantages of various systems.
3. To systematize the basic information available to students in the field of domestic public health and health care and international health care;
4. Provide students with new, up-to-date information and methodology on the main problems of healthcare organization and public health in the world and in Russia.
5. To promote the formation of students' analytical skills in the field of organization of activities, management and economics of health care resources in the Russian Federation and abroad.
6. To develop the skills of assessing the activities of bodies and medical organizations in the organization of quality management of medical care, examination and quality control of medical care in the Russian Federation and abroad;

7. The introduction of an invariant approach to teaching, the use of algorithms in the classroom with a view to their further application 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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-3 The 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 Knows how to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution
organizational and managerial	PC-6 The ability to develop plans and programs, form a system of indicators for the activities of a medical organization, evaluate the effectiveness of a medical organization, develop options for management decisions and assess the risks associated with their implementation	PC-6.1 Knows the features of the formation of a system of indicators of a medical organization PC-6.2 Is able to evaluate the effectiveness of the medical organization, taking into account the formed system of indicators PC-6.3 Has the skills to form performance indicators, evaluate 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 indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
PC-3.1 Knows the standards of medical care	Knows the standards of medical care Able to provide first aid Proficient in first aid
PC-3.2 Knows how to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Knows how to evaluate the resources of a medical organization and implement a quality management system Possesses the skill of assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution	Knows the reporting documentation of the medical organization Able to prepare reporting documentation of a medical organization Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution

<p>PC-6.1 Knows the features of the formation of a system of indicators of a medical organization</p>	<p>Knows the features of the formation of a 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 evaluate the effectiveness of the medical organization, taking into account the formed system of indicators</p>	<p>Knows the main performance indicators of a medical organization  Knows how to evaluate the effectiveness of the activities of a medical organization, taking into account the formed system of indicators  Possesses the skill of evaluating the effectiveness of the activities of a medical organization, taking into account the formed system of indicators</p>
<p>PC-6.3 Has the skills to form performance indicators, evaluate 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  Knows how to form performance indicators, evaluate their effectiveness, assess the risks associated with their implementation  Possesses the skills of forming performance indicators, evaluating 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 work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 2 credits. (72 hours). The curriculum provides for practical classes (36 hours) and independent work (36 hours). Evaluation of learning outcomes: 1 semester-test.

Goals and objectives of mastering the discipline:

Target:

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

Tasks:

- Comprehension of the ideological 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 knowledge.

- 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 present stage;

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

- Teaching the methodology and methods of assessing and managing public health;

- Mastering the skills of developing various health management systems;

- Formation of readiness to solve public health problems.

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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-5 The ability to evaluate the effectiveness of the activities of a medical organization, develop and select optimal management decisions, develop a business plan for the development of a medical organization, use a process approach in managing 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 Able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, developing business planning and investment projects
organizational and managerial	PC-6 The ability to develop plans and programs, form a system of indicators for the activities of a medical organization, evaluate the effectiveness of a medical organization, develop options for management decisions and assess the risks associated with their implementation	PC-6.1 Knows the features of the formation of a system of indicators of a medical organization PC-6.2 Is able to evaluate the effectiveness of the medical organization, taking into account the formed system of indicators PC-6.3 Has the skills to form performance indicators, evaluate

Code and wording of competence	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 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, develop a business plan, an investment project Able to draw up a plan for a medical organization, develop business planning and investment projects Has the skill of drawing up a plan for a medical organization, developing business and investment projects
PC-5.3 Proficient in planning, developing 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 a process approach to managing 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 owns the methods of formulating and implementing strategies at the business unit level, developing and implementing marketing programs, as well as methods of

	investment analysis and analysis of financial markets, a process approach in managing a medical organization and the ability to use flow charts of the processes of a medical organization.
PC-6.1 Knows the features of the formation of a system of indicators of a medical organization	Knows the features of the formation of a 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 evaluate the effectiveness of the medical organization, taking into account the formed system of indicators	Knows the main performance indicators of a medical organization Knows how to evaluate the effectiveness of the activities of a medical organization, taking into account the formed system of indicators Possesses the skill of evaluating the effectiveness of the activities of a medical organization, taking into account the formed system of indicators
PC-6.3 Has the skills to form performance indicators, evaluate 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 Knows how to form performance indicators, evaluate their effectiveness, assess the risks associated with their implementation Possesses the skills of forming performance indicators, evaluating 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 discipline "Medical Cybernetics" the following methods of active / interactive learning are used: practical exercises - debate, round table (preparation and discussion of abstracts).

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

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 2 credits. (72 hours). The curriculum provides for practical classes (36 hours) and independent work (36 hours). Evaluation of learning outcomes: 1 semester-test.

Goals and objectives of mastering the discipline:

Target:

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

Tasks:

- Comprehension of the ideological 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 knowledge.

- Creation of a basic theoretical foundation and elementary skills necessary for the formation of a systemic worldview and mastering a systemic approach.

- Mastering the initial skills of applied system analysis in order to further develop them in the disciplines of the management cycle.

- Teaching the methodology and methods of assessing and managing public health;

- Training in a systematic approach to the analysis of public health;

- Formation of readiness to solve public health problems.

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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-5 The ability to evaluate the effectiveness of the activities of a medical organization, develop and select optimal management decisions, develop a business plan for the development of a medical organization, use a process approach in managing 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 Able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, developing business planning and investment projects
organizational and managerial	PC-6 The ability to develop plans and programs, form a system of indicators for the activities of a medical organization, evaluate the effectiveness of a medical organization, develop options for management decisions and assess the risks associated with their implementation	PC-6.1 Knows the features of the formation of a system of indicators of a medical organization PC-6.2 Is able to evaluate the effectiveness of the medical organization, taking into account the formed system of indicators PC-6.3 Has the skills to form performance indicators, evaluate

Code and wording of competence	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 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, develop a business plan, an investment project Able to draw up a plan for a medical organization, develop business planning and investment projects Has the skill of drawing up a plan for a medical organization, developing business and investment projects
PC-5.3 Proficient in planning, developing 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 a process approach to managing 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 owns the methods of formulating and implementing strategies at the business unit level, developing and implementing marketing programs, as well as methods of

	investment analysis and analysis of financial markets, a process approach in managing a medical organization and the ability to use flow charts of the processes of a medical organization.
PC-6.1 Knows the features of the formation of a system of indicators of a medical organization	Knows the features of the formation of a 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 evaluate the effectiveness of the medical organization, taking into account the formed system of indicators	Knows the main performance indicators of a medical organization Knows how to evaluate the effectiveness of the activities of a medical organization, taking into account the formed system of indicators Possesses the skill of evaluating the effectiveness of the activities of a medical organization, taking into account the formed system of indicators
PC-6.3 Has the skills to form performance indicators, evaluate 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 Knows how to form performance indicators, evaluate their effectiveness, assess the risks associated with their implementation Possesses the skills of forming performance indicators, evaluating 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 discipline "Systems analysis and management in healthcare" the following methods of active / interactive learning are used: practical exercises - debate, round table (preparation and discussion of abstracts).

## Annotation of the work program of the discipline "Social Security Issues"

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

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

Goals and objectives of mastering the discipline:

Target:

to give 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, characteristics of the elements of social protection of the population;
- study of the legislative framework for the management of the system of compulsory social insurance:
- study of the financial foundations of the system of compulsory social insurance;
- study of the financial mechanism of the social insurance system;
- understanding the basics of building insurance rates;
- study of the financial foundations of insurance activities and investment activities of insurance companies;
- studying the 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 global insurance industry, 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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-3 The 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 Knows how to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution
organizational and managerial	PC-4 The 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 rationale for the volume of medical care in accordance with the resources of a medical organization and the needs of the population	PC-4.1 Knows the methodology for a comprehensive assessment of the performance of a medical organization PC-4.2 Able to develop and select the best areas for the activities of a medical organization PC-4.3 Possesses the skills of a systematic approach when developing development plans

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
PC-3.1 Knows the standards of medical care	Knows the standards of medical care Able to provide first aid Proficient in first aid
PC-3.2 Knows how to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Knows how to evaluate the resources of a medical organization and implement a quality management system Possesses the skill of assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution	Knows the reporting documentation of the medical organization Able to prepare reporting documentation of a medical organization



	Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution
PC-4.1 Knows the methodology for a comprehensive assessment of the performance of a medical organization	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 performance 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 Able to develop and select the best areas for the activities 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 for the activities of a medical organization
PC-4.3 Possesses the skills of a systematic approach when developing development plans	Knows a systematic approach when developing plans for the development of a medical organization Able to work out Possesses the skills of a systematic approach in the development of development plans

For the formation of the above competencies within the discipline "Social Security Issues" the following methods of active / interactive learning are used: lectures - conferences, problematic lectures, visualization lectures; practical exercises - debate, 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 work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

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

Goals and objectives of mastering the discipline:

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

Discipline 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, characteristics of the elements of social protection of the population;
- study of the legislative framework for the management of the system of compulsory social insurance:
- study of the financial foundations of the system of compulsory social insurance;
- study of the financial mechanism of the social insurance system;
- understanding the basics of building insurance rates;
- study of the financial foundations of insurance activities and investment activities of insurance companies;
- studying the 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 global insurance industry, the study of state and non-state private insurance, the prospects for their development.

At the end of the discipline “Social insurance and quality of medical care” for masters of the specialty 32.04.01 “Public Health” the following professional competencies (elements of competencies) are formed:

- ability and readiness to prepare and apply scientific, research and production, design, organizational, managerial and regulatory documentation;

- ability and readiness to use information technologies;

- 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 willingness 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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-3 The 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 Knows how to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution
organizational and managerial	PC-4 The 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 rationale for the volume of medical care in accordance with the resources of a medical organization and the needs of the population	PC-4.1 Knows the methodology for a comprehensive assessment of the performance of a medical organization PC-4.2 Able to develop and select the best areas for the activities of a medical organization PC-4.3 Possesses the skills of a systematic approach when developing development plans

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
PC-3.1 Knows the standards of medical care	Knows the standards of medical care Able to provide first aid Proficient in first aid
PC-3.2 Knows how to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Knows how to evaluate the resources of a medical organization and implement a quality management system Possesses the skill of assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution	Knows the reporting documentation of the medical organization Able to prepare reporting documentation of a medical organization Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution
PC-4.1 Knows the methodology for a comprehensive assessment of the performance of a medical organization	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 performance 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 Able to develop and select the best areas for the activities 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 for the activities of a medical organization
PC-4.3 Possesses the skills of a systematic approach when developing development plans	Knows a systematic approach when developing plans for the development of a medical organization Able to work out Possesses the skills of a systematic approach in the development of development plans

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

## Annotation of the work program of the academic discipline "Legal issues in medicine"

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 2 credits. (72 hours). The curriculum includes lectures (18 hours), practical classes (18 hours) and independent work (36 hours). Evaluation of learning outcomes: 2 semester-test.

Goals and objectives of mastering the discipline:

Target:

formation of a holistic theoretical understanding of medical law among masters, disclosure of key problems of modern legislation in the field of healthcare.

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, lay a holistic view of the system and structure of the Russian legislation on healthcare, identify and analyze the main trends in the field of medical law, analyze the legal framework for the rights of patients and medical workers.
3. To instill 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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-3 The 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 Knows how to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution
organizational and managerial	PC-5 The ability to evaluate the effectiveness of the activities of a medical organization, develop and select optimal management decisions, develop a business plan for the development of a medical organization, use a process approach in managing 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 Able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, developing business planning and investment projects

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
PC-3.1 Knows the standards of medical care	Knows the standards of medical care Able to provide first aid Proficient in first aid
PC-3.2 Knows how to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Knows how to evaluate the resources of a medical organization and implement a quality management system Possesses the skill of assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution	Knows the reporting documentation of the medical organization Able to prepare reporting documentation of a medical organization

	Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare 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 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, develop a business plan, an investment project Able to draw up a plan for a medical organization, develop business planning and investment projects Has the skill of drawing up a plan for a medical organization, developing business and investment projects
PC-5.3 Proficient in planning, developing 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 a process approach to managing 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 owns the methods of formulating and implementing strategies at the business unit level, developing and implementing marketing programs, as well as methods of investment analysis and analysis of financial markets, a process approach in managing a medical organization and the ability to use flow charts of the processes of a medical organization.

For the formation of the above competencies within the discipline "Legal issues in medicine» The following active/interactive learning methods are used: active / interactive learning: lectures - conferences, problem lectures, visualization lectures; practical exercises - debate, round table (preparation and discussion of abstracts), compiling an intellect map, compiling a glossary.

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

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 2 credits. (72 hours). The curriculum includes lectures (18 hours), practical classes (18 hours) and independent work (36 hours). Evaluation of learning outcomes: 2 semester-test.

Goals and objectives of mastering the discipline:

Target:

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

Tasks:

- public health and factors determining it;
- systems that ensure the preservation, strengthening and restoration of public health;
- organizational, medical and management technologies;
- health care development trends 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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-3 The 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 Knows how to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution



Task type	Code and name of professional competence (result of development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-5 The ability to evaluate the effectiveness of the activities of a medical organization, develop and select optimal management decisions, develop a business plan for the development of a medical organization, use a process approach in managing 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 Able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, developing business planning and investment projects

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
PC-3.1 Knows the standards of medical care	Knows the standards of medical care Able to provide first aid Proficient in first aid
PC-3.2 Knows how to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Knows how to evaluate the resources of a medical organization and implement a quality management system Possesses the skill of assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution	Knows the reporting documentation of the medical organization Able to prepare reporting documentation of a medical organization Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare 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 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, develop a business plan, an investment project Able to draw up a plan for a medical organization, develop business planning and investment projects Has the skill of drawing up a plan for a medical organization, developing business and investment projects

<p>PC-5.3 Proficient in planning, developing 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 a process approach to managing 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 owns the methods of formulating and implementing strategies at the business unit level, developing and implementing marketing programs, as well as methods of investment analysis and analysis of financial markets, a process approach in managing a medical organization and the ability to use flow charts 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 lectures, visualization lectures; practical exercises - debate, round table (preparation and discussion of abstracts).

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

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 3 z.u. (108 hours). The curriculum provides for lectures (18 hours), practical classes (18 hours) and independent work (72 hours, of which 54 hours for exam preparation). Evaluation of learning outcomes: 2 semester-exam.

Goals and objectives of mastering the discipline:

Target:

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

Tasks:

- to give the concept of preventive direction in medicine;
- to form knowledge about medical and preventive measures;
- familiarize with the issues of primary, secondary, tertiary prevention;
- to train in the development of medical and preventive programs and 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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-4 The 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 rationale for the volume of medical care in accordance with the resources of a medical organization and the needs of the population	PC-4.1 Knows the methodology for a comprehensive assessment of the performance of a medical organization PC-4.2 Able to develop and select the best areas for the activities of a medical organization PC-4.3 Possesses the skills of a systematic approach when developing development plans

Task type	Code and name of professional competence (result of development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-5 The ability to evaluate the effectiveness of the activities of a medical organization, develop and select optimal management decisions, develop a business plan for the development of a medical organization, use a process approach in managing 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 Able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, developing business planning and investment projects

Code and wording of competence	Stages of competence formation	
PC-4 The 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 rationale for the volume of medical care in accordance with the resources of a medical organization and the needs of the population	Knows	principles of organizing and implementing measures to ensure the protection of public health and implementation of a quality management system in a medical organization
	Can	plan activities to ensure the protection of public health and implementation of a quality management system in a medical organization, preparation of a justification for the volume of medical care in accordance with the resources of a medical organization
	owns	skills in organizing and implementing measures to ensure the protection of public health, as well as owns methods analysis and evaluation of performance indicators of a medical organization, resource management 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 The ability to assess the effectiveness of the activities of a medical organization, develop and select optimal management decisions, develop a business plan for the development of a medical organization, use a process approach	Knows	Principles of goal setting, types and methods of organizational planning and fundamental concepts of financial management, as well as the method of a process approach to managing 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 for formulating and implementing strategies at the business unit level, developing and implementing marketing programs, as well as methods

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

## Annotation of the work program of the academic discipline "Business planning in healthcare"

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 3 z.u. (108 hours). The curriculum provides for lectures (18 hours), practical classes (18 hours) and independent work (72 hours, of which 54 hours for exam preparation). Evaluation of learning outcomes: 2 semester-exam.

Goals and objectives of mastering the discipline:

Target:

the formation of a student's complex of knowledge on theoretical foundations and the acquisition of practical skills in business planning, which involves mastering the method of strategic analysis of the external and internal environment of the organization, diagnosing the state of the company, developing a strategy to maintain and develop 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 form students' ability to solve problems related to the analysis, evaluation and adoption of strategic decisions, the development of alternatives that are 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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-4 The ability to analyze and evaluate the performance of a medical organization, manage the	PC-4.1 Knows the methodology for a comprehensive assessment of the performance of a medical organization

Task type	Code and name of professional competence (result of development)	Code and name of the indicator of achievement of competence
	resources of a medical organization, develop and implement a quality management system in a medical organization, prepare a rationale for the volume of medical care in accordance with the resources of a medical organization and the needs of the population	PC-4.2 Able to develop and select the best areas for the activities of a medical organization PC-4.3 Possesses the skills of a systematic approach when developing development plans
organizational and managerial	PC-5 The ability to evaluate the effectiveness of the activities of a medical organization, develop and select optimal management decisions, develop a business plan for the development of a medical organization, use a process approach in managing 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 Able to draw up a plan for a medical organization, develop business planning and investment projects PC-5.3 Proficient in planning, developing business planning and investment projects

Code and wording of competence	Stages of competence formation	
PC-4 The 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 rationale for the volume of medical care in accordance with the resources of a medical organization and the needs of the population	Knows	principles of organizing and implementing measures to ensure the protection of public health and implementation of a quality management system in a medical organization
	Can	plan activities to ensure the protection of public health and implementation of a quality management system in a medical organization, preparation of a justification for the volume of medical care in accordance with the resources of a medical organization
	owns	skills in organizing and implementing measures to ensure the protection of public health, as well as own methods of analysis and evaluation of performance indicators of a medical organization, resource management 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 The ability to assess the effectiveness of the activities of a medical	Knows	Principles of goal setting, types and methods of organizational planning and fundamental concepts of financial management, as well as the method of a process approach to managing a medical organization

organization, develop and select optimal management decisions, develop a business plan for the development of a medical organization, use a process approach in managing 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 for formulating and implementing strategies at the business unit level, developing and implementing marketing programs, as well as methods for investment analysis and analysis of financial markets, a process approach in managing 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 discipline "business planning in healthcare» the following methods of active / interactive learning are used: lectures - conferences, problematic lectures, visualization lectures; practical exercises - debate, round table (preparation and discussion of abstracts).



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

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 2 credits. (72 hours). The curriculum provides for practical classes (36 hours) and independent work (36 hours). Evaluation of learning outcomes: 2 semester-test.

Goals and objectives of mastering the discipline:

Target:

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

Tasks:

- build an understanding of the medical care quality system, its legal, ethical, medical, social and economic aspects

- learn 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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-2 Ability to prepare presentation materials, information and analytical materials, information about the activities of a medical organization or its divisions, conducting organizational and methodological activities in a medical organization	PC-2.1 Knows how to organize, manage, plan medical activities PC-2.2 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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-3 The 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 Knows how to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
PC-3.1 Knows the standards of medical care	Knows the standards of medical care Able to provide first aid Proficient in first aid
PC-3.2 Knows how to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Knows how to evaluate the resources of a medical organization and implement a quality management system Possesses the skill of assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution	Knows the reporting documentation of the medical organization Able to prepare reporting documentation of a medical organization Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution
PC-4.1 Knows the methodology for a comprehensive assessment of the performance of a medical organization	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 performance 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 Able to develop and select the best areas for the activities 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 for the activities of a medical organization

PC-4.3 Possesses the skills of a systematic approach when developing development plans	Knows a systematic approach when developing plans for the development of a medical organization Able to work out Possesses the skills of a systematic approach in 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 exercises - debate, round table (preparation and discussion of abstracts).

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

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 2 credits. (72 hours). The curriculum provides for practical classes (36 hours) and independent work (36 hours). Evaluation of learning outcomes: 2 semester-test.

Goals and objectives of mastering the discipline:

Target:

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

Tasks:

- build an understanding of the standardization system;
- learn to navigate the various typologies of standards 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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-2 Ability to prepare presentation materials, information and analytical materials, information about the activities of a medical organization or its divisions, conducting organizational and methodological activities in a medical organization	PC-2.1 Knows how to organize, manage, plan medical activities PC-2.2 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 development)	Code and name of the indicator of achievement of competence
organizational and managerial	PC-3 The 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 Knows how to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
PC-3.1 Knows the standards of medical care	Knows the standards of medical care Able to provide first aid Proficient in first aid
PC-3.2 Knows how to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Knows how to evaluate the resources of a medical organization and implement a quality management system Possesses the skill of assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution	Knows the reporting documentation of the medical organization Able to prepare reporting documentation of a medical organization Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution
PC-4.1 Knows the methodology for a comprehensive assessment of the performance of a medical organization	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 performance 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 Able to develop and select the best areas for the activities 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 for the activities of a medical organization

PC-4.3 Possesses the skills of a systematic approach when developing development plans	Knows a systematic approach when developing plans for the development of a medical organization Able to work out Possesses the skills of a systematic approach in the development of development plans
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For the formation of the above competencies within the discipline "Standardization and management of health care" the following methods of active / interactive learning are used: practical exercises - debate, round table (preparation and discussion of abstracts).

## Abstract of the work program of the discipline «Information and analytical modeling of social and hygienic processes»

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 2 credits. (72 hours). The curriculum includes lectures (18 hours), practical classes (36 hours) and independent work (18 hours). Evaluation of learning outcomes: 3 semester-test.

Goals and objectives of mastering the discipline:

The purpose of the discipline: the study and acquisition of theoretical knowledge by students and the formation of skills and abilities in the conduct, organization and implementation of social and hygienic monitoring and the implementation of information and analytical modeling of social and hygienic processes in relation to public health and healthcare organization.

Discipline tasks:

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

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

- The 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 in 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 for assessing and managing public health.

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

- Acquaintance with the latest trends and advances in computer technology in the implementation of information and analytical modeling of social and hygienic processes in health care.

Professional competencies of graduates and indicators of their achievement:

Task type	Code and name of professional competence (result of development)	Code and name of the indicator of achievement of competence
research	PC-1 Ability to calculate, evaluate and analyze indicators characterizing the activities of a medical organization, and indicators characterizing the state of public health	PC-1.1 Knows the principles of collecting and processing information PC-1.2 Can create a data matrix, code the material PC-1.3 Owns statistical methods of data processing, including using information and analytical systems and the information and telecommunication network "Internet"

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
PC-1.1 Knows the principles of collecting and processing information	Knows the principles of collecting, processing, analyzing and providing information Able to collect, process, analyze and provide information in their professional activities Possesses the skill of collecting, processing, analyzing and providing information in their professional activities
PC-1.2 Can create a data matrix, code the material	Knows how to encode information Able to create a data matrix, conduct material coding Proficient in coding material
PC-1.3 Owns statistical methods of data processing, including using information and analytical systems and the information and telecommunication network "Internet"	Knows the basic methods of data processing, including using information and analytical systems and the information and telecommunications network "Internet" Ability to process and present data Owns statistical methods of data processing, including using information and analytical systems and information and telecommunications network "Internet"

For the formation of the above competencies within the discipline "AND Information and analytical modeling of social and hygienic processes» the following methods of active / interactive learning are used: lectures - conferences, problematic lectures, visualization lectures; practical exercises - debate, round table (preparation and discussion of abstracts).



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

The work program of the discipline has been drawn up for students in the educational program of the magistracy 04/32/01 Public Health "Leadership and governance in public health (a program in English for foreign citizens)" in accordance with the requirements of the Federal State Educational Standard in the field of study 04/32/01 Public Health, approved by order of the Ministry of Education and Science of Russia No. 485 dated May 31, 2017.

The total labor intensity of mastering the discipline is 2 credits. (72 hours). The curriculum includes lectures (4 hours), practical classes (18 hours) and independent work (50 hours). Evaluation of learning outcomes: 2 semester-test.

The purpose of the discipline: Preparing students for the study of subsequent disciplines, both forming the scientific and theoretical foundations of the specialty, and others. Assimilation of the main 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 developed on their basis for processing measurement results.

### Discipline tasks:

- Familiarization with the ways of reflection in the mind of a person of the world around and the corresponding types of information; about ontological and semiotic aspects of information;

- Know and be able to use mathematical models, system and entropy patterns; different approaches to assessing 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; correct use of various types of information; definitions of entropy value; measurement uncertainties; transition from information 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 development)	Code and name of the indicator of achievement of competence
research	PC-3 The 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 Knows how to assess the resources of a medical organization and implement a quality management system PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution

Code and name of the indicator of achievement of competence	Name of the assessment indicator (the result of training in the discipline)
PC-3.1 Knows the standards of medical care	Knows the standards of medical care Able to provide first aid Proficient in first aid
PC-3.2 Knows how to assess the resources of a medical organization and implement a quality management system	Knows the quality management system of a medical organization Knows how to evaluate the resources of a medical organization and implement a quality management system Possesses the skill of assessing the resources of a medical organization and implementing a quality management system
PC-3.3 Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution	Knows the reporting documentation of the medical organization Able to prepare reporting documentation of a medical organization Possesses the necessary skills for compiling reporting documentation, evaluating the activities of a healthcare institution