

Federal State Autonomic Educational Institution of Higher Education  
«Peoples' Friendship University of Russia»

*Medical Institute*

Recommended MCSD

**SYLLABUS**  
(STUDY GUIDE)

**Subject**

**Public Health and Healthcare, Healthcare Economics**

**Recommended for the direction of training (specialty)**

**31.05.01 General Medicine**

**Program (profile, specialization)**

**General Medicine**

### 1. Aims and objectives of the discipline:

**Learning aim:** On the basis of studying the basic concepts of the discipline, prepare a specialist with the knowledge and skills: to assess public health and the factors that determine it; systems that ensure the preservation, strengthening and restoration of the health of the population in general and of certain groups of the population; organizational and medical technologies and management processes (including economic, administrative and organizational ones); trends in the development of healthcare systems in foreign countries.

**Learning Objectives:** study and analysis of indicators characterizing the health status of different age-sex, social, professional and other groups of the population; measures to preserve, strengthen and restore health; the theoretical foundations of health; the introduction of new economic and medical-social technologies in the activities of medical institutions, methods and means of improving the functioning of health facilities

### 2. Place of discipline in the structure of OP HE:

The discipline "Public Health and Healthcare Systems, Healthcare Economics" refers to the basic part of block 1 of the curriculum.

Table №1 given preceding and following discipline aimed at forming competence discipline in accordance with the matrix competences OP HE.

**Table 1. Preceding and following the discipline aimed at creating competencies**

#	Code and title of competence	Preceding disciplines	Following disciplines
<b>Universal Competence Category</b>			
1	UC-1:UC-1.1,1.2,1.3,1.4	Philosophy, Physics, Mathematics, Psychology and Pedagogy, Hygiene, Pathophysiology, Clinical Pathophysiology, Propedeutics of Internal diseases	Epidemiology, Neurology, Medical Genetics and Neurosurgery, Disaster Medicine, Therapy, Endocrinology, Infectious Diseases, Phthisiology, Medical Elementology, Allergology, Immunology
2	UC-2:UC-2.1,2.2,2.3,2.4	Physics	
3	UC-3:UC-3.1,3.2	History of medicine	
<b>General Professional Competence Category</b>			
4	GPC-9:GPC-9.2,9.3		Organization of specialized patient care
5	GPC -11: GPC -11.2,11.3	Physics	Pharmacology
<b>Professional Competence Code and Name (type of professional activity: organizational and managerial)</b>			
6	PC-6: PC-6.1,6.2,6.3,6.4,6.5		Immunology, Radiation Diagnostics, General Surgery, Psychiatry, Medical Psychology, Therapy, Surgery, Allergology

### 3. Requirements to results of development of discipline:

The process of studying the discipline is aimed at the formation of the following competencies:

Universal Competence	Competence Name	Code and	Competence Achievement Indicator Name	Code and
----------------------	-----------------	----------	---------------------------------------	----------

Category		
Systems and critical thinking	UC-1. Being able to implement critical analysis of problem situations based on systems approach, develop an action strategy	UC-1.1. Analysing scientific and technical literature and regulatory documents of medical institutions. UC-1.2. Assessing in a critical way the reliability of information sources, working with contradictory information from different sources. UC-1.3. Understanding the trends, strategic goals, problems in the field of healthcare/ being aware of regulatory framework to develop a strategy. UC-1.4. Analysing and assessing the economic potential, financial viability and risks of an organization.
Project development and implementation	UC-2. Being able to manage a project at any stage of its life cycle	UC-2.1. Being aware of regulatory legal acts and standards in the field of healthcare. UC-2.2. Understanding the peculiarities of organizing and managing nursing care, medical aid quality control, organizational and methodical activity of a medical institution. UC-2.3. Being able to plan and manage structural units of a medical institution. UC-2.4. Developing a project concept within the outlined problem: laying down a goal, tasks; providing arguments for the relevance, significance, expected results.
Team work and leadership	UC-3. Being able to organize and supervise team work developing a team strategy at the same time to achieve the set goal	UC-3.1. Being aware of the similarities and differences of projects and business processes, marketing research methods, principles of communication with staff. UC-3.2. Mastering the skills of making management decisions, organizing teamwork, arranging meetings and business communication.
Quality Management	GPC-9. Being able to implement the principles of quality management in professional activity	GPC-9.2. Being able to analyse and critically assess the professional activity quality according to the target values. GPC-9.3. Being able to develop a plan of organizational and methodical events to achieve the proper quality level of professional activity.
Research and organizational activity	GPC-11. Being able to prepare and apply scientific, research, development and production, design, organizational, management and regulatory documentation in the healthcare system	GPC-11.1. Being able to prepare scientific, research, development and production, design, organizational, management and regulatory documentation in accordance with the area of professional activity and the current requirements for their execution. GPC-11.2. Being able to apply scientific, research, development and production, design, organizational, management and regulatory documentation within the framework of their

		professional activities.
Being able to keep medical records and organize the activities of the nursing staff	PC-6. Being able to keep medical records and organize the activities of the nursing staff	<p>PC-6.1. Being able to draw up a work plan and report on their work, issue a passport for a healthcare (therapeutic) area.</p> <p>PC-6.2. Being able to analyze morbidity, disability and mortality rates to characterize the health of the registered population.</p> <p>PC-6.3. Being able to keep medical records, including in the electronic form.</p> <p>PC-6.4. Being able to monitor the performance of official duties by a district nurse and other medical workers at the disposal.</p> <p>PC-6.5. Being able to provide internal control of quality and safety of medical activities within the scope of employment responsibilities.</p>

As a result of studying the discipline, the student must:

***Know:***

- basic terms, concepts and the theoretical basis of public health and healthcare as a scientific discipline and subject of teaching (tasks, subjects, principles);
- main sections, historical stages of development and personalities of public health and healthcare;
- policy and legislative framework in the field of public health;
- the patterns of the formation of public health and the activities of health services;
- methods of studying public health (historical, statistical, economic, expert, system analysis, etc.);
- criteria (indicators) of public health and their definition, program of public health research;
- factors of the formation of public health (natural, biological, socio-economic, medical), sources of information on public health and the activities of health services;
- the main health systems in different countries of the world, the directions of reforming health systems;
- international health problems and activities of the World Health Organization;
- medical and social problems of public health of the countries of the world (morbidity, disability, physical development, demographic processes);
- programs and methods of comprehensive studies of the health status of the population (and the factors affecting it) in different countries;
- definition of the concept and methods of studying morbidity in countries of the world, indicators, levels and types of morbidity;
- concept, principles, history of creation and application in medical practice of the International Statistical Classification of Diseases and Related Health Problems (10th revision) (ICD-10);
- the definition of the concept of disability, the importance in assessing public health; sources of information, indicators, methods of study, factors that affect the indicators of disability;
- definition, subject, sections and content of demography, basic demographic characteristic of the countries of the world;
- definition, tasks, concepts of medical (sanitary) statistics;
- the significance of the statistical method in the study of public health and healthcare;
- basic methods used in the analysis of statistical data on public health and the organization of medical care for population;

- the main stages of the organization of medical and social research;
- definition and basic principles of health protection;
- elements of the public health protection system, the main objectives and features of the organization, activities, continuity in the work of the main institutions of the public health system;
- the definition of treatment and preventive care: the structure and objectives of the main institutions of treatment and preventive care, the main activities, the forms of continuity and interconnection;
- definition and main directions of primary health care;
- the basis of the structure of the organization of outpatient care to the population: the types and structure of outpatient clinics, tasks, functions, management, organization of work, performance indicators;
- the fundamentals of the structure of the organization of inpatient and emergency medical care to the population: the types and structure of in-patient institutions and emergency medical institutions, tasks, functions, management, organization of work, performance indicators;
- features of medical care at major communicable and non-communicable diseases: types and structure of medical institutions, tasks, functions, management, organization of work, performance indicators;
- the basis of the structure of the organization of health care for workers in industry, construction and transport: features and basic forms, health units, their structure, tasks, functions, management, organization of work, performance indicators;
- stages, principles and organization of medical care for the rural population: rural medical station, rural district hospital, its structure and functions, paramedic-midwife points; district and regional health care institutions - tasks, structures and functions;
- structure, purpose and objectives of the maternity and childhood protection system; the main types of obstetric-gynecological institutions and the principles of organization of their work; ensuring continuity in the activity of the women's consultation medical facility, the maternity hospital and the children's polyclinic;
- medical and social problems of children's health protection, features of the organization of medical and preventive care for children;
- organization of the State Sanitary and Epidemiological Service (Federal Service for Supervision of Consumer Rights Protection and Human Welfare), its territorial bodies, place and role in the system of public health protection; structure and functions of the centers of hygiene and epidemiology; peculiarities of sanitary and epidemiological control in the countries of the world;
- the principles of the organization of sanatorium-and-spa treatment, the structure and tasks of the main institutions of sanatorium-and-spa care, their tasks, functions, organization of work;
- organization of medicinal provision of the population and medical and technical supply of health care facilities in the context of the health insurance system;
- forms of interaction between pharmaceutical and medical institutions;
- elements of the treatment and diagnostic process, the basic concepts and terms of the quality of care, methodological approaches to assessing the quality of care, factors affecting the quality of care;
- definition and objectives of medical-social expertise, the main criteria for differentiation of temporary and permanent disability, their definition and types, the rules for issuing documents certifying temporary and permanent incapacity for work.

- definition: risk factors, risk groups, screening, healthy lifestyle; epidemiological approaches to the identification of risk factors, the classification of risk factors and the main methods of their evaluation in major non-communicable diseases;
- basic principles, forms, methods and means of hygienic training and education of the population, the physician role in the formation of a healthy lifestyle;
- forms of public participation in protecting public health;
- definition, main objectives and types of prevention and indicators of its effectiveness;
- family definition, basic characteristics, types, functions and stages of family;
- the role of the family in the formation of a healthy lifestyle and public health;
- family needs in medical and social care; work organization and tasks of a general practitioner (family doctor);
- the concepts of medical ethics and deontology; the main problems of bioethics;
- modern views on the management of the organization;
- varieties of organizations, their missions and objectives, legal forms, levels of management and the scale of controllability and control;
- organizational management structures and approaches to the design of organizations;
- mechanisms for the functioning and regulation of the personnel policy of the organization and personnel planning;
- requirements for the management system in market conditions, functions and methods of administration;
- technology and organization of procedures for making managerial decisions, a technology for implementing decisions, organizing an assessment of the effectiveness of decisions taken and monitoring their implementation,
- targeted approach to strategic management of the organization, methods of strategic analysis, SWOT analysis;
- the main problems of the economy and health financing;
- methods of planning and sources of funding for public health;
- the concept of economic damage, the economic efficiency of health care, the basis for the formation of the cost of medical care and pricing for medical services;
- principles of marketing management and planning, the place and role of the marketing service in the organization management system;
- basic terms and concepts for social insurance and social protection of the population, types of social protection of the population;
- the purpose of introducing health insurance and the relationship between medical and social insurance;
- the main provisions of legislative documents on health insurance, the structure of the health insurance system, the functions of health insurance entities;
- stages of training of doctors and nurses, continuing medical education

***Be able to:***

- define the discipline "public health and healthcare";
- define individual health, public health and healthcare;
- draw up a program and scheme of study of public health and its sections in relation to specific conditions and factors of life;
- assess the role of factors and living conditions in the formation of public health;
- give a comparative description of health systems in the world;
- assess health problems in an international context and the work of the World Health Organization;
- apply indicators and provide a comprehensive assessment of the state of public health (morbidity, disability, physical development, demographic processes) in a particular country;

- apply the International Statistical Classification of Diseases and Health Problems (10th revision) for assessing public health and in medical practice;
- draw up a program and study different types of morbidity in specific countries of the world using the sources of state and medical statistics;
- to receive and analyze the main demographic data for the countries of the world;
- apply methods of assessing health, healthcare and data obtained in medical activities;
- calculate statistical indicators and ratios in the field of medicine and health;
- conduct a scientific and practical study on the study of the health of the population, the organization of medical care, the analysis of the activities of health institutions;
- evaluate the principles and forms of health care organization in providing affordable and qualified medical care;
- analyze and evaluate the effectiveness of the activity of the specific subsystem of the organization of medical, preventive and medical-sanitary assistance defined in the knowledge section using the skills of calculating activity indicators and the comparative method;
- develop and propose a set of measures for the improvement of medical and preventive care in the various subsystems of health, given in the knowledge section, for countries with different levels of development;
- substantiate the relevance of the most important non-infectious and infectious diseases as a medical and social problem;
- determine the place and role of medical institutions and doctors in resolving issues of organization and ensuring sanitary and epidemiological well-being;
- evaluate the principles and forms of organization of medicinal provision of the population and medical and technical supply of health care institutions;
- assess the quality and effectiveness of medical care for individual doctors and health institutions in general;
- apply the obtained results of the activity and quality analysis of healthcare institutions for planning the work of a doctor and a healthcare institution;
- solve the tasks of issuing and processing documents certifying incapacity for work (disability);
- apply methods for identifying and assessing risk factors in doctor's practice;
- choose the methods and means of hygienic training and education, depending on the specific situation;
- justify the urgency of prevention at the present stage;
- give an analysis of the main characteristics, structure, stages of development, functions and types of family;
- study and determine the role of the family in forming lifestyle and health of the population, depending on family characteristics, structure and function;
- make a program, study and assess the family's needs for medical and social assistance;
- evaluate and give recommendations on improving the organization of work of a general practitioner (family doctor);
- use in his work the foundations of legal relations in the field of medical ethics and deontology, biomedical ethics;
- determine the system of the organization's goals, to formulate a strategy and tactics for achieving them;
- implement the necessary management style, delegate authority and responsibility in the medical organization;
- organize and conduct managerial innovations;

- substantiate and develop various management decisions, implement their multi-criteria optimization, applying for this purpose economic and mathematical methods and expert systems;
- conduct from the system positions the analysis and synthesis of the control system;
- know the methods of influence on the socio-psychological climate in the team;
- apply in practical work the basic methods of the economy, planning and financing of health care, to calculate indicators of the effectiveness of public health activities;
- calculate the cost of medical services, the need for medical personnel and beds, to conduct an analysis of the estimates of the medical and preventive institution;
- apply in practice the methods, skills and knowledge of healthcare marketing;
- present and explain the scheme of interaction between participants in the health insurance system;
- to evaluate the training of medical personnel.

**Manage:**

- correct management of medical records;
- assessments of the state of public health;
- consolidating indicators that characterize the degree of development of the healthcare economy, the methodology for calculating the indicators of medical statistics.

#### 4. Volume of discipline and types of study

General credit value of the discipline is 5 credit units.

Type of study load	Total hours	Semesters			
		6	7		
<b>Class hours (total)</b>	<b>104</b>	<b>68</b>	<b>36</b>		
Include:					
<i>Lectures</i>	-	-	-		
<i>Practical training (PT)</i>	-	-	-		
<i>Seminars (S)</i>	-	-	-		
<i>Laboratory research (LR)</i>	104	68	36		
<b>Independent work (total)</b>	<b>76</b>	<b>40</b>	<b>36</b>		
Total labor input.	hours	180	108	72	
	Credit Unit	<b>5</b>	<b>3</b>	<b>2</b>	

#### 5. Content of the discipline

##### 5.1. The content of the discipline sections

№	Name of the discipline section	The content of the section (topic)



1.	Theoretical and methodical foundations of the discipline "Public Health and Healthcare, Healthcare Economics", state policy in the field of public health.	Public health and health care as a science and subject of teaching. Brief history of public health. Legal basis of public health in the Russian Federation. Methods of studying the patterns of the formation of public health and the activities of health services. Health care in foreign countries. International cooperation in the field of health.
2.	Public health: the concept, study, assessment of indicators and determinants of public health.	Medical demography. Medico-social aspects of demographic processes. Morbidity, disability and physical development.
3.	Fundamentals of medical statistics and organization of medical and social research. Statistical analysis.	Fundamentals of Medical Statistics. Organization (stages) of medical and social research. Statistical methods of processing the results of medical and social research.
4.	The organization of medical and preventive care for the population and the functioning of the main health subsystems.	Organization of treatment and preventive care for the population. Primary health care. Out-patient assistance to the population. Organization of inpatient medical care. Emergency care. Socio-hygienic importance of the major diseases and the organization of treatment and preventive care with them. Organization of health care for workers in industrial enterprises, construction and transport. Organization of medical care for the rural population. System of maternal and child health protection. Organization of state sanitary and epidemiological surveillance. The organization of sanatorium-and-spa help. Medicinal assistance to the population. Provision of health care facilities with medical equipment and instruments. Quality management of medical care. Examination of temporary and permanent disability.
5.	The problems of health preservation, disease prevention, family health and medical ethics.	The problems of disease prevention and health promotion. Participation of public organizations in the protection of public health. Family as an object of medical and social research and primary health care. Medical ethics and deontology, bioethical problems of medicine.
6.	Fundamentals of health economics and health insurance. Management of health care and medical personnel.	Fundamentals of health management. Fundamentals of Economics, Planning and Financing of Health. Marketing in health care. Fundamentals of social and health insurance. Training of medical personnel.

## 5.2. Sections of disciplines and types of classes

№	Name of the discipline section	Lect.	Pract. tr.	Lab.c l.	Semin.	Ind. work	Total hours
---	--------------------------------	-------	------------	----------	--------	-----------	-------------

1.	Theoretical and methodical foundations of the discipline "Public Health and Healthcare, Healthcare Economics", state policy in the field of public health.	-	-	8	-	12	20
2.	Public health: the concept, study, assessment of indicators and determinants of public health.	-	-	30	-	14	44
3.	Fundamentals of medical statistics and organization of medical and social research. Statistical analysis.	-	-	30	-	14	44
4.	The organization of medical and preventive care for the population and the functioning of the main health subsystems.	-	-	12	-	12	24
5.	The problems of health preservation, disease prevention, family health and medical ethics.	-	-	12	-	12	24
6.	Fundamentals of health economics and health insurance. Management of health care and medical personnel.	-	-	12	-	12	24

## 6. Laboratory training

№	Section number of the discipline	Name of laboratory works	Labor intensity (hour)
1.	<b>1.</b>	Mastering the methods and techniques of studying the health of the population.	8
2.	<b>2.</b>	Analysis and evaluation of demographic indicators, methods and tools. Analysis and assessment of the morbidity of the population, methods and tools, ICD-10. Family health in assessing public health. Method and program of medical and social research of the family.	10 10 10
3.	<b>3.</b>	Assessment of public health and the results of socio-hygienic and clinical-statistical research using statistical methods. Assessment of public health and the results of socio-hygienic and clinical-statistical studies using average values and indicators. Assessment of public health and the results of socio-hygienic and clinical-statistical studies using correlation analysis.	10 10 10

4.	4.	Structure, objectives and functions of health care. Organization of outpatient care to the urban population.	2
		The organization of inpatient care to the urban population. City hospital: structure, functions, management.	2
		Maternity and childhood protection system. Organization of treatment and preventive care for women and children.	2
		Organization of medical care for the rural population. Structure, objectives and functions of primary health care in the countries of the world.	2
		Organization of sanitary and epidemiological services for the population.	
		Use of automated information systems in the management of health care institutions.	2
		Features of the organization of medical care for industrial workers.	
		Stages of medical and social expertise.	2
		Business game "Comprehensive assessment of public health and public health" (on the example of a certain region).	
5.	5.	Health promotion. Modern aspects of prevention.	6
		Medical and social aspects of HLS. Hygienic training and education of the population.	8
6.	6.	Economics of Health in the System of Economic Sciences. The subject and methods of health economics. Fundamentals of health planning.	4
		Health in the system of market relations. Market of health services.	4
		Health financing system and health insurance.	4
		Methodology of pricing in health care. Calculation of the price of medical services.	4

### 7. Practical training (seminars) *(not available)*

### 8. Material and technical support of the discipline:

The classroom fund of the Medical institute, Department of Public Health, Healthcare and Hygiene: rooms 371, 372, 373 of the building of the Faculty of Humanitarian and Social Sciences building (10/2, Miklukho-Maklaya str.) for 25-30 training seats (multimedia equipment, handouts sets for solving situational problems, materials for current testing, sets of medical documentation, Internet access).

### 9. Information support of the discipline:

#### Databases, reference and search systems:

1. Electronic Library System (ELS) of the RUDN University and third-party ELS, to which university students have access on the basis of concluded contracts:

- Electronic Library System (ELS) of the RUDN University <http://lib.rudn.ru/MegaPro/Web>
- ELS "University Library Online" <http://www.biblioclub.ru>
- ELS Jurait <http://www.biblio-online.ru>
- ELS «Student consultant» [www.studentlibrary.ru](http://www.studentlibrary.ru)
- ELS «Lan» <http://e.lanbook.com/>

2. Databases and search engines:
  - electronic fund of legal and regulatory technical documentation <http://docs.cntd.ru/>
  - Yandex search engines <https://www.yandex.ru/>
  - Google search engine <https://www.google.com/>
  - reference database SCOPUS <http://www.elsevierscience.ru/products/scopus/>
  - WHO documentation center <http://whodc.mednet.ru/>
  - Springer <https://rd.springer.com/>

## 10. Educational and methodical support of the discipline:

### a) Main literature

1. Public Health : Study Guide / E.V. Kaverina, A.V. Fomina. - Moscow: RUDN, 2019. - 79 p
2. Public Health and Health care System (supplementary booklet) “slide-guide” / D.I. Kitcha, A.V. Fomina, M.V. Khudaibergenova. – Moscow: Peoples’ Friendship University of Russia, 2011. – 58 p.
3. Workshop on public health and health care [Text]: Study guide / I.N. Denisov [et al.]. – 3<sup>rd</sup> ed., cor. - M.: Medical Information Agency, 2017. - 461 p.
4. Public Health and Health Care [Electronic resource]: Textbook / V.A. Medic, V.K. Yuriev. - 4<sup>nd</sup> ed., Corr. and add. - M.: GEOTAR-Media, 202 – 672 p..
5. Public Health and Health Care [Electronic resource]: Textbook / Yu.P. Lisitsyn, G.E. Ulumbekov. - 3<sup>rd</sup> ed., Corr. and add. - M.: GEOTAR-Media, 2013. - 544 p.
6. Knowledge and skills of the Public Health and Public Health System’s curriculum. For IV-VI year medical students and postgraduate students / D. Kitcha, I. Kalmykova, A. Fomina, T.Lyapunova. – Moscow: Peoples’ Friendship University of Russia, 2011. –80 p.

### b) Additional literature

1. Fumihiko Sata, Hideoki Fukuoka, Mark Hanson. Pre-emptive Medicine: Public Health Aspects of Developmental Origins of Health and Disease [Electronic resource] 2019. / DOI <https://doi.org/10.1007/978-981-13-2194-8> eBook ISBN 978-981-13-2194-8
2. Guidelines for the preparation of graduation (thesis) and term papers / D.I. Kitcha, O.E. Konovalov, A.V. Fomina. - M.: RUDN, 2009. - 93 p.
3. E. Ammenwerth (ed.), M. Rigby (ed.). Evidence-Based Health Informatics - Promoting Safety and Efficiency through Scientific Methods and Ethical Policy [Electronic resource] 2016. 1 c. ISBN 9781614996347 URL: [www.ebooks.iospress.nl/isbn/9781614996347](http://www.ebooks.iospress.nl/isbn/9781614996347)
4. Madeleine Akrich, João Nunes, Florence Paterson, Vololona Rabeharisoa (dir.). The dynamics of patient organizations in Europe [Electronic resource] 2008. 1 c. ISBN 9782356710079 URL: <http://books.openedition.org/pressesmines/1577>
5. Undergraduate Education for Public Health in the United States [Electronic resource] / Connie J Evashwick [et al.]. 2015. 1 c. ISBN 9782889196111 URL: <http://journal.frontiersin.org/researchtopic/3071/undergraduate-education-for-public-health-in-the-united-states>
6. Law A. Patents and Public Health [Electronic resource] 2009. 1 c. ISBN 9783845212654 URL: <https://www.nomos-elibrary.de/10.5771/9783845212654>
7. Kyriakos Souliotis, Mihajlo (Michael) Jakovljevic, Wim Groot. Health Care Financing and Affordability in the Emerging Global Markets [Electronic resource] 2016. 1 c. ISBN 9782889198375 URL: <http://journal.frontiersin.org/researchtopic/3696/health-care-financing-and-affordability-in-the-emerging-global-markets>
8. Aslak Tveito, Glenn T. Lines. Making Medicines in Africa: The Political Economy of Industrializing for Local Health [Electronic resource] 2016. 1 c. ISBN 9783319300290 URL: <http://www.oapen.org/download/?type=document&docid=1001880>

9. Jerry Cromwell, Michael Trisolini, Gregory Pope, Janet Mitchell, Leslie Greenwald. Pay for performance in health care: Methods and approaches [Electronic resource] 2011. 1 c. ISBN 9781934831045 URL: <https://www.rti.org/rti-press-publication/pay-performance-health-care>
10. Inaki Gutierrez-Ibarluzea, Irene Lenoir-Wijnkoop, Dominique J. Dubois. Today's Nutrition and Tomorrow's Public Health: Challenges and Opportunities [Electronic resource] 2016. 1 c. ISBN 9782889198184 URL: <http://journal.frontiersin.org/researchtopic/3214/todays-nutrition-and-tomorrows-public-health-challenges-and-opportunities>
11. Pioneering Healthcare Law [Electronic resource] / Mullock A. [et al.]. 2016. 1 c. ISBN 9781315716107 URL: <http://www.oopen.org/view?docId=593991.nxml>
12. Triberti S., Graffigna, Guendalina , Barello, Serena . Patient Engagement. A Consumer-Centered Model to Innovate Healthcare [Electronic resource 2015. 1 c. ISBN 9783110452440 URL: <https://doi.org/10.1515/9783110452440>
13. Health For All [Electronic resource] / Bhattacharya S. [at al.]. 2015. 1 c. ISBN 9788125059004 URL: <http://www.oopen.org/download/?type=document&docid=576912>

## **11. Guidelines for students on the development of the discipline (module)**

The discipline “Public Health and Healthcare, Healthcare Economics” is a medical-preventive discipline, it reflects the laws of the formation of public health, its determining factors; and various aspects of health care, including economics and industry management.

Discipline is studied in the amount of 5 credit units (180 hours) with laboratory classes and self-study. The modular structure of the discipline includes 6 modules: module 1 - “Theoretical and methodological foundations of the discipline“ Public Health and Health Care, Healthcare Economics”, state policy in the field of public health protection”; module 2 - “Public health, concept, study, assessment of indicators and factors determining the health of the population”; Module 3 - “Fundamentals of medical statistics and the organization of medical and social research. Statistical analysis”; module 4 - “Organization of treatment and preventive care for the population and the functioning of the basic health subsystems”, module 5 - “Modern problems of health preservation, disease prevention, family health and medical ethics”, module 6 - “Basics of health economics and medical insurance. Health and Medical Personnel Management.

Laboratory classes are conducted in the classrooms of the department with all categories of faculty, classes are provided with the necessary visual material and teaching aids. During the training session, students undergo entrance testing, an interview, independently and with the participation of the teacher solve their tasks of mastering knowledge and acquiring the necessary skills, report on the training work done during the lesson. To increase the digestibility of educational material, new forms of learning and control of students' knowledge are being introduced. Teachers in laboratory classes apply elements of a business game, create production situations, use role-playing imitation of production activities.

The work of students in the classroom and independent work is assessed in the framework of the score-rating system implemented at the department for evaluating the educational activities of students. A rating card is filled in for each student, and the examiner has the opportunity to get a more accurate picture of the progress of each student in the department, to calculate the amount of points earned by the student, and to give an objective assessment.

To solve the problems of the educational process, the department has developed an educational and professional (methodical) complex, which includes a number of elements: the federal state educational standard, an exemplary curriculum, a working curriculum, methodological guidelines for students and teachers for each lesson, a list of practical skills, examinations materials, texts of lectures, a list of information and material support of the educational process.

## **12. Fund of estimated means for the interim assessment of students in the discipline (module)**

Materials for assessing the level of mastering the educational material of the discipline " Public Health and Healthcare, Healthcare Economics " (assessment materials), including point-rating system, sample topics of essays, sample test questions and sample questions for retakes, are fully developed and available for students on the discipline page in TUIS RUDN.

The program is compiled in accordance with the requirements of the FSES HE.

### **Developers:**

Associate professor

Department of Public health,  
Healthcare and Hygiene

E.V. Kaverina

### **Head of Department**

Department of Public health, Healthcare and Hygiene  
Professor

A.V. Fomina

**Head of Program**, professor

**I.V. Radysh**