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Информация о владельце:

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MINISTRY OF SCIENCE AND HIGHER EDUCATION

RUSSIAN FEDERATION

Federal State Autonomous Educational Institution of Higher Education

NORTH-CAUCASUS FEDERAL UNIVERSITY

APPROVED

Assoc. Prof. Kubanov S.I.

PhD in Medical Sciences

Dean

Faculty of Medicine and Biology

COURSE OUTLINE OF THE DISCIPLINE (MODULE)

«Public Health and Healthcare, Health Economics»

Name of the discipline (module)

- Specialty: 31.05.01 General Medicine
- Mode of training: Full-time
- Year of commencement of studies: 2026
- Delivered in Semester: 9

Developed by:

Acting Head of the Department of Propaedeutics of Internal Diseases,

Cand. Sci. (Med.)

position

G.S. Ivchenko

full name

1. Aim and Objectives of Mastering the Discipline (Module)

The aim of mastering the discipline is to prepare, on the basis of studying the fundamental concepts of the discipline, a specialist possessing the knowledge and skills for assessing public health and the factors determining it; the systems ensuring the preservation, strengthening, and restoration of the health of the population as a whole and of individual homogeneous population groups; organizational and medical technologies and management processes, including economic, administrative, and organizational ones; and trends in the development of healthcare in foreign countries.

The objectives of training are:

to master the analysis of the main ways to improve the efficiency of healthcare resource utilization;

- to study the basic principles of providing medical care to the population;
- to study the system of organizing medical care for various categories of the population;
- to become familiar with the performance indicators of healthcare institutions;
- to develop in students the professional skills necessary for analyzing the activities of healthcare institutions providing medical care to various categories of citizens;
- to develop in students the professional skills necessary for conducting an economic analysis of the activities of healthcare institutions providing medical care to various categories of citizens;
- to assimilate the fundamentals of health economics and develop new economic thinking;
- to develop competence in the basic categories of health economics;
- to develop skills of behavior in the conditions of a market economy and competition;
- to master the skills of making economic decisions in the specific working conditions of medical institutions in order to improve the quality of medical care and the economic effect of treatment and preventive measures.

2. Place of the Discipline (Module) in the Structure of the Training (educational) Program

The discipline “Public Health and Healthcare, Health Economics” belongs to the compulsory part of the curriculum.

3. List of Potential Learning Outcomes for the Discipline (Module), Correlated with the Outcomes of Mastering the Educational Program

Code and definition of the competence	Code and definition of the indicator	Planned learning outcomes for the discipline (module) describing the stages of competency and indicator development
UC-6. Able to determine and implement the priorities of one's own activities and ways of improving them based on self-assessment and lifelong learning.	IA-1 UC-6. Sets personal and professional goals in accordance with the level of one's resources and priorities of actions for successful development in the chosen sphere of professional activity. IA-2 UC-6. Implements and adjusts the strategy of personal and professional development,	Upbringing of a comprehensively developed personality

	taking into account conditions, means, personal capabilities, stages of career growth, the time perspective of activity development, and labor market requirements. IA-3 UC-6. Critically evaluates the effectiveness of using time and other resources when solving set tasks in the chosen sphere of professional activity.	
PC-9. Able to apply the basic principles of organization and management in the sphere of public health protection, in medical organizations and their structural units.	IA-1 PC-9. Able to apply the principles of monitoring the performance of job duties by the district nurse and other medical personnel at one's disposal. IA-2 PC-9. Assesses the effectiveness of modern medical-organizational and socio-economic technologies in the provision of medical care, and applies the principles of organization and management in the sphere of public health protection within medical organizations and their structural units.	Acquisition of specialized medical skills and their application in practical healthcare.
PC-10. Ready to participate in assessing the quality of medical care using basic medical-statistical indicators.	IA-1 PC-10. Calculates and analyzes the indicators of the quality of medical care. IA-2 PC-10. Develops measures aimed at improving the quality of medical care.	Readiness for oral and written communication. Acquisition of specialized medical skills and their application in practical healthcare.
PC-11. Ready to analyze and publicly present medical information based on evidence-based medicine.	IA-1 PC-11. Independently works with sources of scientific medical information. IA-2 PC-11. Compiles reports (sections of a report), literature reviews, and presentations on a topic or its section (stage of the task). IA-3 PC-11. Publicly presents scientific	Readiness for oral and written communication. Acquisition of specialized medical skills and their application in practical healthcare.

	information based on evidence-based medicine.	
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4. Volume of the Academic Discipline (Module) and Control *

Volume of classes: Total: 3 ECTS credits, 108 academic hours.	Full-time type of study, in academic hours
Face-to-face work	54
Lectures / including practical training	18
Practical classes / including practical training	36
Independent work	18
Forms of control	
Examination	36

* The discipline (module) provides for the use of e-learning and remote learning technologies (unless otherwise set by the educational standard).

5. Content of the Discipline (Module), Structured by Topics (Sections) with an Indication of the Hours and Types of Classes

#	Section (topic) of the discipline and brief content	Competenci es and indicators to be developed	Full-time training			Independent work, hours	Forms of current control of academic progress
			Contact work of students with the teacher / of them practical skills training, hours				
9th semester							
1	Public Health and Healthcare as a Science and Subject of Teaching. Public Health and Factors Determining It. Criteria of Health. Factors Determining Health. 1. Definition of Health and Disease.	IA-1 UC-6 IA-2 UC-6 IA-3 UC-6 IA-1 PC-9 IA-2 PC-9 IA-1 PC-10 IA-2 PC-10 IA-1 PC-11 IA-2 PC-11 IA-3 PC-11	2	4		2	Interview (discussion)

2	Public Health and Factors Determining It. Modern Problems of Prevention. 1. Definition of the Concepts of "Disease" and "Health" of a Person. 2. Levels of Health (Individual, Group, Population Health, Public Health). 3. Indicators for Assessing Public Health Recommended by WHO. Medical Demography. Medical and Social Aspects of Demographic Processes. 1. Medical Demography as a Science. 2. The Role of Demography in the Activities of Healthcare, Healthcare Facilities, and the Physician. 3. Demographic Processes Occurring in Society.	IA-1 UC-6 IA-2 UC-6 IA-3 UC-6 IA-1 PC-9 IA-2 PC-9 IA-1 PC-10 IA-2 PC-10 IA-1 PC-11 IA-2 PC-11 IA-3 PC-11	2	4		2	Interview (discussion)
3	Morbidity as an Indicator of Population Health: State and Trends. 1. Significance of Morbidity Indicators for Assessing the Health Status of the Population. 2. Terminology of Morbidity. 3. Methodology of Morbidity. 4. Methodology of Studying Morbidity. Organization of Treatment and Preventive Care for the Population. 1. Types of Treatment and Preventive Care for the Population. 2. Outpatient and Polyclinic Care as the Main Element of Primary Health Care. 3. Organization of Inpatient Care for the Population.	IA-1 UC-6 IA-2 UC-6 IA-3 UC-6 IA-1 PC-9 IA-2 PC-9 IA-1 PC-10 IA-2 PC-10 IA-1 PC-11 IA-2 PC-11 IA-3 PC-11	2	4		2	Interview (discussion)

4	The System of Maternal and Child Health Protection. ?? The Purpose of Creating the System of Maternal and Child Health Protection in Our Country, Stages of Development of the System. 2. Main Tasks and Directions of Activity of the System of Maternal and Child Health Protection.	IA-1 UC-6 IA-2 UC-6 IA-3 UC-6 IA-1 PC-9 IA-2 PC-9 IA-1 PC-10 IA-2 PC-10 IA-1 PC-11 IA-2 PC-11 IA-3 PC-11	2	4		2	Interview (discussion)
5	The Most Important Non-Infectious Diseases as a Medical and Social Problem (Diseases of the Circulatory System, Malignant Neoplasms). ?? The Most Important Socially Significant Diseases of Modern Times. ?? The Meaning of the Concept of "Epidemiology" in Relation to Non-Infectious Diseases. ?? The Social and Hygienic Significance of Diseases of the Circulatory System. Traumatism as a Medical and Social Problem. ?? Traumatism as a Medical, Social, and Economic Problem of Society and the State. ?? Definition of the Concept of "Traumatism," Its Classification. Organization of Outpatient and Polyclinic Care for the Population.	IA-1 UC-6 IA-2 UC-6 IA-3 UC-6 IA-1 PC-9 IA-2 PC-9 IA-1 PC-10 IA-2 PC-10 IA-1 PC-11 IA-2 PC-11 IA-3 PC-11	2	4		2	Interview (discussion)

6	Neuropsychiatric Diseases as a Medical and Social Problem. ?? Neuropsychiatric Diseases as a Medical, Social, and Economic Problem of Society and the State. ?? Trends in the Mental Health of the Population. 3. Organization of Medical and Social Care for Neuropsychiatric Diseases, Ways of Prevention.	IA-1 UC-6 IA-2 UC-6 IA-3 UC-6 IA-1 PC-9 IA-2 PC-9 IA-1 PC-10 IA-2 PC-10 IA-1 PC-11 IA-2 PC-11 IA-3 PC-11	2	4		2	Interview (discussion)
7	?? Disability and Rehabilitation as a Medical and Social Problem. ?? Disability as a Medical, Social, and Economic Problem of Society and the State. ?? Definition of the Concepts of "Disease," "Functional Impairment," "Disability," "Physical and Other Defects." 4. Classification of Disability: by Groups, by Causes.	IA-1 UC-6 IA-2 UC-6 IA-3 UC-6 IA-1 PC-9 IA-2 PC-9 IA-1 PC-10 IA-2 PC-10 IA-1 PC-11 IA-2 PC-11 IA-3 PC-11	2	4		2	Interview (discussion)
8	Health Promotion of the Population. Modern Problems of Prevention. ?? The Goal of Prevention; Its Tasks, Levels (State, Collective, Family, Individual), and Types: Social, Social-Medical (Medico-Social), Medical. 2. Stages of Prevention: Primary, Secondary. Criteria for Evaluating the Effectiveness of Prevention.	IA-1 UC-6 IA-2 UC-6 IA-3 UC-6 IA-1 PC-9 IA-2 PC-9 IA-1 PC-10 IA-2 PC-10 IA-1 PC-11 IA-2 PC-11 IA-3 PC-11	2	4		2	Interview (discussion)

9	Modern Problems of the Quality of Medical Care. ??. General Characteristics and Components of the Quality of Medical Care: Definition, Characteristics. ??. Methodology for Assessing the Quality of Medical Care. ??. Quality Management in Medical Care. Healthcare Systems. Healthcare in Foreign Countries. ??. Healthcare Systems. 2. International Healthcare.	IA-1 UC-6 IA-2 UC-6 IA-3 UC-6 IA-1 PC-9 IA-2 PC-9 IA-1 PC-10 IA-2 PC-10 IA-1 PC-11 IA-2 PC-11 IA-3 PC-11	2	4	2	Interview (discussion)
	TOTAL in Semester		18	36	18	
	TOTAL		18	36	18	

6. Assessment Tools Fund for the Discipline (Module)

The assessment tools fund (ATF) for the discipline (module) «Public Health and Healthcare, Health Economics»

is based on the list of competencies to be mastered, indicating the stages of their formation in the process of mastering the discipline (module). The ATF provides an objective control over the achievement of the planned learning outcomes. The ATF includes:

- A description of indicators and criteria for evaluating competencies at various stages of their formation, a description of evaluation scales;
- Methodological materials determining the procedures for evaluating knowledge, skills, abilities and (or) work experience characterizing the stages of competency formation;
- Standard control tasks and other materials necessary for assessing knowledge, skills, and the level of mastery of the formed competencies in the process of mastering the discipline (module).

The ATF is an appendix to this discipline (module) program.

7. Methodological Guidelines for Students on Mastering the Discipline

When starting work, each student must take into account the following provisions.

The discipline (module) is structured on a thematic principle; each topic represents a logically completed section.

The lecture material is dedicated to the consideration of key, basic provisions of the courses and the clarification of learning tasks assigned for the independent work of students.

Practical classes are conducted with the aim of consolidating the mastered information, acquiring skills for its application in solving practical problems in the relevant subject area.

Laboratory works are aimed at gaining practical experience in the relevant subject area.

The independent work of students is aimed at the independent study of additional material, preparation for practical and laboratory classes, as well as the execution of all types of independent work.

In order to successfully master the discipline, it is important to complete all types of independent work employing the recommended sources of information.

8. Educational, Methodological, and Informational Support for the Discipline

8.1. List of Main and Additional Literature Required for Mastering the Discipline (Module)

8.1.1. List of Main Literature:

1. Naumov I. A. et al. Obshchestvennoe zdorov'e i zdravookhranenie. Chast' 1 [Public Health and Healthcare. Part 1] [Electronic resource]: uchebnik. Ed. by I. A. Naumov. Minsk: Vysheyschaya shkola, 2013. 336 p. ISBN 978-985-06-2298-3. Available in the premium version of IPR BOOKS (in Russian).
2. Naumov I. A. et al. Obshchestvennoe zdorov'e i zdravookhranenie. Chast' 2 [Public Health and Healthcare. Part 2] [Electronic resource]: uchebnik. Ed. by I. A. Naumov. Minsk: Vysheyschaya shkola, 2013. 352 p. ISBN 978-985-06-2299-0. Available in the premium version of IPR BOOKS (in Russian).

8.1.2. List of Additional Literature:

1. Matchina O. I., Begun D. N., Bayanova N. A. Osnovy statisticheskogo metoda issledovaniya obshchestvennogo zdorov'ya i zdravookhraneniya [Fundamentals of the Statistical Method for Studying Public Health and Healthcare] [Electronic resource]: uchebnoe posobie dlya samostoyatel'noy raboty studentov lechebnogo, pediatricheskogo i stomatologicheskogo fakul'tetov. Orenburg: Orenburgskaya gosudarstvennaya meditsinskaya akademiya, 2012. 125 p. ISSN 2227-8397. Available in the premium version of IPR BOOKS (in Russian).
2. Verkoshantsev D. S., Bayanova N. A., Borshchuk E. L., Matchina O. I., Begun D. N. Sbornik testovykh zadaniy po obshchestvennomu zdorov'yu i zdravookhraneniyu [Collection of Test Tasks in Public Health and Healthcare] [Electronic resource]: uchebnoe posobie. Orenburg: Orenburgskaya gosudarstvennaya meditsinskaya akademiya, 2014. 118 p. Available in the basic version of IPRbooks (in Russian).
3. Supil'nikov A. A., Chebykin A. V., Trifonova M. V. Kliniko-statisticheskie pokazateli obshchestvennogo zdorov'ya i zdravookhraneniya Rossii i metodiki ikh rascheta [Clinical and Statistical Indicators of Public Health and Healthcare in Russia and Methods of Their Calculation] [Electronic resource]: uchebnoe posobie. Samara: REAVIZ, 2012. 184 p. ISSN 2227-8397. Available in the premium version of IPR BOOKS (in Russian).

8.2. List of Educational and Methodological Support for the Independent Work of Students in the Discipline (Module)

1. Uchebno-metodicheskoe posobie: Metodicheskie rekomendatsii po organizatsii samostoyatel'noy raboty obuchayushchikhsya po distsipline «Obshchestvennoe zdorov'e i zdravookhranenie, ekonomika zdravookhraneniya» dlya studentov spetsial'nosti 31.05.01 Lechebnoe delo [Study Guide: Methodological Recommendations for Organizing Independent Work of Students in the Discipline "Public Health and Healthcare, Health Economics" for Students of Specialty 31.05.01 General Medicine]. Stavropol, 2026.
2. Uchebno-metodicheskoe posobie: Metodicheskie ukazaniya po vypolneniyu prakticheskikh zanyatiy po distsipline «Obshchestvennoe zdorov'e i zdravookhranenie, ekonomika zdravookhraneniya» dlya studentov spetsial'nosti 31.05.01 Lechebnoe delo [Study Guide: Methodological Instructions for Conducting Practical Classes in the Discipline "Public Health and Healthcare, Health Economics" for Students of Specialty 31.05.01 General Medicine]. Stavropol, 2026.

8.3. List of Resources of the Information and Telecommunications Network **Internet** Required for Mastering the Discipline (Module)

1. <http://rudocor.net/> — Medical Portal
2. <http://www.e-reading.club/> — Large Online Library
3. <https://dic.academic.ru/> — Dictionaries and Encyclopedias
4. <https://roszdravnadzor.gov.ru/> — Federal Service for Surveillance in Healthcare (Roszdravnadzor)
5. <https://www.rmj.ru/> — Russian Medical Journal

9. List of Information Technologies Employed through the Discipline (Module), Including a List of Software and Information Reference Systems

When delivering lectures, computer equipment and demonstrations of multimedia presentation materials are used. In seminars and practical classes, students deliver presentations prepared by them during the hours of independent work.

Information Reference Systems:

Information-reference and information-legal systems used in the study of the discipline:

1.	http://rudocor.net/ — Medical Portal
2.	https://dic.academic.ru/ — Dictionaries and Encyclopedias

Software:

1.	Alt Workstation 10
2.	Alt Workstation K
3.	Alt Server
4.	Office software package – P7-Office

10. Description of the Material and Technical Resources Required for the Educational Process for the Discipline (Module)

Lecture classes	A classroom equipped with multimedia equipment and technical training facilities.
Practical classes	A classroom, equipped with multimedia equipment and technical training facilities.
Independent work	A room for the independent work of students, equipped with computer hardware with the capability to connect to the Internet network and provide access to the electronic information and educational environment of the university.
Practical training	Carried out in the structural subdivisions of the university and (or) in organizations engaged in activities matching the profile of the respective training program, including its structural subdivision.

11. Specific Features of Mastering the Discipline (Module) by Persons with Disabilities

Students with disabilities shall be provided with special textbooks, teaching aids, and didactic materials, special technical training facilities for collective and individual use, the services of an assistant (helper) providing the necessary technical assistance to the students, as well as the services of sign language interpreters and tactile sign language interpreters.

The mastery of the discipline (module) by students with disabilities may be organized jointly with other students, as well as in separate groups.

Mastering the discipline (module) by students with disabilities is to be carried out taking into account the peculiarities of psychophysical development, individual capabilities, and health status.

In order to ensure the accessibility of higher education under the educational program for persons with disabilities, the following is provided during the mastery of the discipline (module):

- 1) for persons with visual impairments:
 - the presence of an assistant offering the student the necessary technical assistance, taking into account individual features (help taking the workplace, moving around, reading and formatting the task, including writing under dictation),
 - written tasks, as well as instructions on the procedure for their execution, are formatted in an enlarged font,

- special textbooks, teaching aids, and didactic materials (having a large font or audio files),

individual uniform lighting of at least 300 lux,
if necessary, a magnifying device is provided to the student to complete the task;

2) for persons with hearing impairments:

- the presence of an assistant providing the student with the necessary technical assistance, taking into account individual characteristics (helps to take a workplace, move around, read and format the task, including writing with dictation),
- the availability of sound-amplifying equipment for collective use is ensured; if necessary, sound-amplifying equipment for individual use is provided to the student;
- provision with proper sound means of reproducing information is ensured;

3) for persons with musculoskeletal disorders (including severe motor function impairments of the upper limbs or the absence of upper limbs):

- written tasks are performed on a computer with specialized software or are dictated to an assistant;
- at the request of the student, tasks may be performed verbally.

12. Specific Features of Implementing the Discipline with the Use of Distance Learning Technologies and E-Learning

Subject to Part 1 of Article 16 of the Federal Law of December 29, 2012, No. 273-FZ On Education in the Russian Federation, e-learning shall be viewed as the arrangement of educational activities employing information contained in databases and used in the implementation of educational programs, as well as information technologies, technical means, and information and telecommunication networks that ensure the processing and transmission of the specified information via communication lines, and the interaction of students and pedagogical workers.

Remote (distance) learning technologies are understood as educational technologies implemented mainly with the use of information and telecommunication networks during the indirect (at a distance) interaction of students and pedagogical workers.

The implementation of the discipline may be carried out with distance learning technologies and e-learning in full or in part. The components of the Educational And Methodological Complex (EMC) of the discipline (working program of the discipline, assessment and methodological materials, forms of attestation) implemented with the use of distance learning technologies and e-learning contain an indication of their use.

When arranging educational activities with distance learning technologies and e-learning, asynchronous and synchronous methods of interaction between participants in educational relations via the information and telecommunications network Internet may be offered.

When using distance learning technologies and e-learning, the schedule for the discipline shall indicate: methods of interaction among participants in educational relations via the information and telecommunications network Internet (VCC – videoconferencing, ET – electronic testing); links to the electronic information and educational environment of NCFU, to educational platforms and resources of other organizations to which open access is provided via the information and telecommunications network Internet; for synchronous learning – the time of online classes and instructors; for asynchronous learning – the authors of online courses.

When arranging intermediate attestation with distance learning technologies and e-learning, the Methodological Recommendations on the use of technical means ensuring the objective reliability of results when conducting intermediate and state final attestation for higher education educational programs – Bachelor's Degree programs, Specialist's Degree programs, and Master's Degree programs with distance learning technologies are used (Letter of the

Ministry of Science and Higher Education of Russia dated December 7, 2020, # MN-19/1573-AN On sending methodological recommendations).

The implementation of the discipline with the use of e-learning and distance learning technologies is carried out using the electronic information and educational environment of NCFU, to which students are provided access via the information and telecommunications network Internet, or using the resources of other organizations, including platforms providing services for videoconferencing, online meetings, and distance learning (MTS-Link), as well as using the capabilities of social networks to carry out communication between students and instructors.

The educational and methodological support for a discipline shall be ensured with e-learning and distance learning technologies includes the working program presented in electronic form, educational and methodological manuals or a course of lectures, methodological guidelines for performing various types of educational activities of students provided for by the discipline, and other educational and methodological materials posted in the information and educational environment of NCFU.