

The catalog of elective disciplines

1. Department: Morphophysiology.

2. Level of training: bachelor

3. Specialty: 6B10111 – «Public health»

4. Course: 1

5. Name of elective discipline: «Anatomy»

6. Number of credits: 3

7. Purpose: to Form a system of knowledge about the anatomical features of the human body and its constituent systems, the processes occurring in the human body, ensuring human activity in interactions with the environment.

8. Tasks: to Form students' knowledge about the structure of organs and systems of the human body and their functions, as well as an understanding of the basic laws of formation of integral reactions of the human body.

To be able to determine the position and projection of organs and their parts for the development of skills of emergency and emergency medical care. To form system knowledge about the life of the organism in relation to the environment;

9. Rationale for the choice of discipline: Anatomy in the training of highly qualified medical specialists aims to obtain natural science knowledge for the implementation of activities in the field of public health and sanitary and epidemiological welfare.

10. Learning outcomes (competencies)

Knowledge (cognitive sphere)	Skills (psychomotor sphere)	Personal and professional competences (relations)
- Knows the structure, classification and function of muscles; - Fluent in anatomical terminology. Knows the basic techniques of working with anatomical preparations, textbooks; - Knows the structure and functions of the spinal cord and brain;	- defines the distinctive features of the bones of the skull, torso and limbs; - find on anatomic preparations of structural elements of joints bones; - finds the organs of the head, neck, chest, abdomen and pelvis; - distinguishes, describes, compares the characteristics of different body systems and explains their functions;	- formulate personal judgments, draws in essay, presentations, test tasks; - represents personal judgments in practical classes, meetings of the student circle, student scientific conferences. - transfers own knowledge and skills to students during educational experiments or explanation of theoretical material;

11. Prerequisites - school course in biology, anatomy and human physiology.

12. Post-requisites - fundamentals of General pathology; Microbiology, Virology and Parasitology, medical biology, introduction to clinical medicine.

13. Literature

Basic:

1. Борзяк, Э. И. **Анатомия** человека. Фотографический атлас. В 3 т. Т. 3. Внутренние органы нервная система: учебное пособие - М. : ГЭОТАР - Медиа, 2016. - 488 с

2. Борзяк, Э. И. **Анатомия** человека. Фотографический атлас. В 3-х томах. Том 1. Опорно - двигательный аппарат учебное пособие - М. : ГЭОТАР - Медиа, 2014. - 480 с

3. Борзяк Э. И. **Анатомия** человека. Фотографический атлас. В 3-х томах. Том 2. Сердечно-сосудистая система. Лимфатическая система. - М.: ГЭОТАР - Медиа, 2015. – 368 с.

4. Сапин, М. Р. Нормальная **анатомия** человека: В 2 кн. Кн.1: учебник / М. Р. Сапин, Г. Л. Билич ; - М. : МИА, 2010. - 480 с-20экз..

5. Сапин, М. Р. Нормальная **анатомия** человека: В 2 кн. Кн. 2: учебник / М. Р. Сапин, Г. Л. Билич. - ; М. : МИА, 2010. - 548 с.-20экз
6. Синельников, Р. Д. Атлас анатомии человека. В 4 т. Т. 1. Учение о костях, соединении костей и мышцах : учеб. пособие . - 7-е изд, перераб . - М. : Новая волна : Издатель Умеренков, 2012.
7. Синельников, Р. Д. Атлас анатомии человека. В 4 т. Т. 2. Учение о внутренностях и эндокринных железах : учеб. пособие . - 7-е изд., перераб . - М. : Новая волна : Издатель Умеренков, 2012.
8. Сапин М.Р., Нормальная анатомия человека: В 2 кн. Кн.1: учебник / М.Р. Сапин, Г.Л. Билич; -М.:МИА, 2010. -480 с-20экз.
9. Сапин М.Р. Нормальная анатомия человека: В 2кн. Кн.2: учебник / М.Р. Сапин, Г.Л. Билич; -М.:МИА, 2010. -548 с-20экз.
10. Привес М.Г. Анатомия человека: учебник. -12-е изд., перераб. И доп. – СПб.: Изд. дом. СПбМАПО, 2009.
11. Синельников Р.Д. Атлас анатомии человека. В 4 т. Т.1. Учение о костях, соединении костей и мышцах: учеб. пособие. -7-е изд, перераб. –М.: Новая волна: Издатель Умеренков, 2012.
12. Синельников Р.Д. Атлас анатомии человека. В 4 т. Т.2. Учение о внутренностях и эндокринных железах: учеб. пособие. -7-е изд, перераб. –М.: Новая волна: Издатель Умеренков, 2012.
13. Синельников Р.Д. Атлас анатомии человека. В 4 т. Т.4. Учение о нервной системе и органах чувств: учеб. пособие. -7-е изд, перераб. –М.: Новая волна: Издатель Умеренков, 2012. Сапин М.Р. Атлас нормальной анатомии человека: атлас: Учеб.пособие. -4-е изд. – М.: Медпресс-информ, 2009.

1. Department: "Hygiene and epidemiology"

2. Level of preparation (bachelor)

3. Specialty: 6B10111-“Public Health”

4. Course: 2

5. Name of elective discipline: "Radiation hygiene and medical ecology"

6. Number of credits - 5

7. Objective: To study the adverse effects of environmental factors on public health in certain territories: - To explore ways to eliminate or reduce adverse effects on human health.

8. Objectives: to give knowledge about the indicators of the body systems as an environmental assessment criteria;

- teach the assessment of the role of the main indicator in the complex effects of various environmental factors

environments (radionuclides, mineral fertilizers, EMF, etc.);

- the study of the environmental aspects of negative and positive environmental factors on health

person;

- assessment of the capacity of medical, ecological landscapes;

- formation of medical, environmental awareness among the population.

9. Justification of the choice of discipline: radiation hygiene and medical ecology is one of the scientific branches of preventive medicine, knowledge of which is necessary for bachelors in the specialty “Public Health”.

10. Learning Outcomes (Competences)

Knowledge (cognitive sphere)	Skills and abilities	Personal and professional
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	(psychomotor sphere)	competencies (relationships)
- know the legal documents of radiation hygiene and the value of practical medical ecology - basic legislation in the field of radiation hygiene and environmental protection; - history of the origin and development of the science "Radiation Hygiene"; - the organization and structure of the Department of Radiation Hygiene of DSSES and the radiological laboratory of the Center of Electrical and Ecology; - knows the health features of the urban and rural population; - knows the effect of polluted air on health and living conditions of the population; - knows the effect of the consequences of environmental pollution of the lithosphere on human health.	- carry out decontamination of environmental objects and surfaces from various materials; - assess the effectiveness of the processing, disposal and disposal of radioactive waste; - owns the skills of public speaking with the presentation of analysis and synthesis of information in the studied area	- able to transfer to students, teachers, examiners own - knowledge and skills in planning and conducting research; - explain the observed facts and phenomena, their causal relationship

11. Prerequisites: physiology, sociology.

12. Post requisites: child and adolescent hygiene, occupational health, public health.

13. Literature

1. Ivanov V.P. General and Medical Ecology: a textbook. — Rostov n / D: Phoenix, 2010
2. Medical ecology: a manual for students of medical universities / ed. A.A. Korolev.- M.: EC "Academy", 2003.-192 p.
3. Kenesaries Y.I. Ecology zheңne törfyндar densaulығу: Оқу құралы - Almaty, Evero, 2009
4. Kenesaries Y.I. Almaty, Glym, 2003
5. Vasilenko O.I. Radiation ecology: a manual for students of medical universities, -M: Medicine, 2004
6. Kenesaries еб.І. Ecology and public health; Training For medical universities and colleges, Almaty: SIC Glym, 2002

additional:

1. Lakshin A.M. general hygiene with basic human ecology; textbook-M., Medicine, 2004
2. Pivovarov Yu.P. Hygiene and fundamentals of human ecology: a textbook. –M: Academy Publishing Center, 2004
3. Pivovarov Yu.P. Hygiene and fundamentals of human ecology: a textbook. For medical universities. Rostov n / D: Fenix, 2002 Krymskaya I.G.
4. Hygiene and fundamentals of human ecology: study guide. - Rostov n / D: Phoenix, 2007

5. Vasilenko O.I. Radiation ecology: a manual for students of medical universities, -M: Medicine, 2004
6. Kataeva V.A. Guide to laboratory, practical and self-study in general hygiene and basic human ecology: a manual for students. -M.: Medicine, 2005
7. Trushkina L.Yu. Human Hygiene and Ecology: textbook. -4th ed. -M. Prospectus, 2006

1. Department: "Hygiene and epidemiology"

2. Level of preparation (bachelor)

3. Speciality: 6B10111-“Public Health”

Public Health

4. Course: 3

5. The name of the elective discipline: "Occupational hygiene"

6. The number of credits - 5

7. Objective: to train a public health specialist in conducting state sanitary and epidemiological surveillance in the field of occupational health.

8. Tasks:

- to give knowledge about the main provisions of the legislative acts regulating the activities of a sanitary doctor, including articles of the Constitution of the Republic of Kazakhstan, the Labor Code of the Republic of Kazakhstan, the Code of Health of the People and the Health System, resolutions of the Government of the Republic of Kazakhstan and other legal and regulatory acts;

- teach assessing the state of public health and health care;

- teach theoretical and practical basics of occupational health;

- to give knowledge about the methods of hygienic, physiological, toxicological and chemical studies of the working environment and factors of the labor process;

- teach how to develop preventive measures and assess their effectiveness;

- train organizations to provide sanitary and epidemiological well-being of the population engaged in various types of work;

- to give knowledge about the measures of state sanitary inspection carried out with the purpose of determining risk factors in the prevention of occupational diseases, poisoning and injuries, as well as helping to reduce the overall disease incidence of the working population;

- to teach the assessment and analysis of the state of the production environment and factors of the labor process of the controlled objects with the aim of developing a complex

- prophylactic measures;

- to teach methods of laboratory and instrumental research of factors of the production environment and the labor process;

- to train the implementation of current sanitary supervision of subordinate enterprises and other objects;

- to teach the correct design of accounting and reporting documentation;

- to train in propagation of the principles and bases of a healthy lifestyle, principles of prevention of industrial injuries and occupational diseases.

- teach professional risk assessment in industrial enterprises.

1. Justification of the choice of discipline: Labor hygiene is one of the scientific branches of preventive medicine, knowledge of which is necessary for bachelors in the specialty "Public Health".

2. Learning Outcomes (Competences)

Knowledge (cognitive sphere)	Skills and abilities (psychomotor sphere)	Personal and professional competencies (relationships)
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-Knows precautionary and current health supervision in the field of occupational health; - Knows about the production of physical factors in occupational health and their assessment. (One microclimate, noise, vibration, infrasound, ultrasound, aerosols, industrial poisons, low and high pressure); - knows about their hygienic regulation and preventive measures; - knows about industrial ventilation, lighting, heating and their values in creating favorable working conditions; -Knows the basics of physiology and psychophysiology of labor, hygiene-physiological methods of studying the influence of the labor process on the state of individual systems (CNS, blood system, cardiovascular, muscular, respiratory) in the process of labor; -Knows occupational health in the metallurgical industry, the coal industry, the engineering industry, the chemical industry, in the production of building materials, in agriculture, health workers, women and adolescents; - Knows about the certification of production of working conditions. He is aware of a comprehensive assessment of the health status of workers; - knows about professional poisoning, industrial injuries, accounting, registration and investigation of professional poisonings; - knows the basics of hygienic regulation of harmful substances, physical, chemical and biological factors of the production environment; -knows the physiological basis of the organization of workplaces, working conditions (severity and intensity of labor)	- able to conduct business, accounting and reporting, medical documentation on labor hygiene in the state and Russian languages; - is able to assess the sanitary and hygienic state of various objects in the event of a complicated sanitary and epidemiological situation; - is able to give a hygienic assessment of working conditions and at the enterprise as a whole; - able to understand the principle of work and methods of studying the functional state of the body in the process of work; - able to carry out preventive and current sanitary and hygienic supervision in the field of occupational health; - is able to conduct accounting, investigation and analysis of professional poisonings, diseases and injuries at work; - able to work with devices, evaluate the hygienic efficiency of sanitary equipment, taking into account international standards; - able to use knowledge of the patterns of interaction of the organism and the working environment in carrying out the promotion of healthy lifestyles among the population, to carry out propaganda for the prevention of industrial injuries and occupational diseases	- Formulates and argues the impact of harmful and dangerous factors of the production environment on the body of workers and the effectiveness of preventive measures to reduce the influence of harmful and dangerous factors; - formulate its own conclusions in the form of recommendations, proposals, regulations on the implementation of sanitary and hygienic and anti-epidemic measures.
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11. Prerequisites: epidemiology, infectious diseases, radiation hygiene and medical ecology

12. Post requisites: public health, state sanitary and epidemiological surveillance

13. Literature

Primary:

1. Izmerov N.F., Kirillov V.F. Occupational health. Textbook. Moscow, 2008.-592c.
2. Hygiene. U.I. Kenesariyev, K.K. Toguzbaeva et al., Textbook Almaty. 2009.-668c.
3. Manual on sanitary examination in the field of occupational health. Edited by MD, prof. Sraubaeva E.N., Belonog A.A. - Karaganda, 2008.-562 p.

Additional:

1. Sanitary norms and rules for occupational health of the industry. 3t.-Omsk. 1995.-1050s.
2. Occupational medicine. Textbook / ed. Izmerova NF / 2008- 520s.
3. The method of studying the production microclimate and its impact on the organization of workers. Ed. Ph.D. Zhakenova S.R. Educational and methodological assistance. 9965-406-50-2. Karaganda, 2005.-56s.
4. Galayeva A.I. Production aerosols, their hygienic assessment and rationing. Research methods and prevention of dust occupational pathology. Study guide. - Karaganda, 2008 - 80s.
5. Preventive and routine sanitary inspection of ventilation.
6. Ed. Sraubaev E.N., Zhakenova SR., Shintaeva N.U. - Karaganda, 2010- 66s.
7. Occupational health in leading industries of Kazakhstan. Teaching manual. Toguzbaeva K.K. Almaty 2010 - 73s.
8. Occupational health when working with video terminals. Teaching manual. Toguzbaeva K.K. Almaty 2010 - 68s.

1. Department: "Hygiene and epidemiology"

2. Level of preparation (bachelor)

3. Specialty: 6B10111-“Public Health”

4. Course: 3

5. Name of elective discipline: "Hygiene of children and adolescents"

6. Number of credits - 5

7. Objective: to give an idea of the hygiene of children and adolescents as a science, its basic foundations, principles, methodological approaches, to lay down the knowledge and skills necessary for mastering the legislative framework, theoretical and applied aspects of preventive and current supervision in the field of hygiene of children and adolescents .

8. Tasks:

- familiarize with the theoretical and methodological foundations of the hygiene of children and adolescents and the principles of hygienic regulation of environmental factors and activities of children;
- to give an idea of the nature and nature of the impact on the growing organism of various factors of the educational and industrial environment;
- to teach methods of studying and assessing the health and physical development of children and adolescents;
- to teach to develop a complex of recreational activities and sanitary and hygienic recommendations that provide favorable conditions for the upbringing and education of children and adolescents;
- train to carry out state sanitary supervision over the improvement of the living conditions of children and adolescents.

9. Substantiation of the choice of discipline: The hygiene of children and adolescents as a scientific discipline and practical branch of health care is designed to substantiate and develop preventive measures aimed at preserving and strengthening the health of the younger generation. It studies the influence of various environmental and social factors, analyzes, evaluates and predicts their impact on a growing organism.

10. Learning Outcomes (Competences)

Knowledge (cognitive sphere)	Skills and abilities (psychomotor sphere)	Personal and professional competencies (relationships)
- knows the subject, goals, main tasks and research methods used in the hygiene of children and adolescents; - knows the relationship of hygiene of children and adolescents with other sciences; - knows the history of occurrence and the main stages of the development of hygiene of children and adolescents, - knows the patterns of growth and development of the child's body; - knows the principles and features of hygienic regulation of environmental factors and children's activities; - Knows the methodological approaches to the study and assessment of factors of the educational and industrial environment and their impact on the body of children and adolescents. - knows the methodology for sanitary hygiene	- knows how to conduct a hygienic assessment of the premises of children's and adolescent institutions; - able to assess the placement of children and adolescents in children's preschool and school institutions, using data on the parameters of the microclimate, lighting, on-values of the premises; - able to determine the daily energy consumption by the time-keeping method and the physiological needs of children in the main nutrients and energy; - is able to compile and calculate menu layouts according to the "Standards of need for basic nutrients and energy"; - able to carry out fortification in the organization of rational nutrition and prevention of nutritional diseases; - able to calculate the dose of ultraviolet radiation and carry out preventive UV irradiation of children using lamps of various types;	- identifies problems of the influence of the educational and production environment on the children's body and formulates ways to solve them; - is able to plan and argue an assessment of the state of physical development of children and adolescents; - able to plan and organize events to improve the health of children and adolescents

11. Prerequisites: *epidemiology, infectious diseases, radiation hygiene and medical ecology*

12. Post requisites: public health, state sanitary and epidemiological surveillance

13 Literature

main:

1. Kuchma, V.R. Hygiene of children and adolescents textbook / Ministry of Education and Science of the Russian Federation. - 2nd ed., Corr. and add. M.: GEOTAR - Media, 2013. - 528 p.

2. Hygiene of children and adolescents: a guide to practical exercises, a textbook. Ed. V.R. Kuchma. - M.: GEOTAR-MEDIA, 2012.-546 p.

additional:

1. Hygiene textbook / M-in education and science of the Russian Federation; by ed. P. I. Melnichenko. -; Rec. The state budgetary educational institution of higher professional education "First Mosk. State Medical University named after IM Sechenov". - M.: GEOTAR - Media, 2014. - 656 p.

2. Kuchma, V. R. Hygiene of children and adolescents [Electronic resource]: studies. for universities. - Electron. text given. (40.9 MB). - M.: Ed. group "GEOTAR-Media", 2010. - 480 with el. opt.disk (CD-ROM).

3. The State Program for the Development of Healthcare of the Republic of Kazakhstan "Densaulyk" for 2016–2020.

1. Department: "Hygiene and epidemiology"

2. Level of preparation (bachelor)

3. Specialty: 6B10111-"Public Health"

4. Course: 3

5. Name of elective discipline: "Communal hygiene"

6. Number of credits - 5

7. Objective: to train a public health specialist to conduct state sanitary and epidemiological surveillance in the field of communal hygiene.

8. Tasks: to teach to conduct preventive and routine sanitary inspection of public hygiene objects;

- teach how to apply sanitary and hygienic methods in the organization of sanitary supervision of the main sources of air pollution, soil on the territory of populated areas and water reservoirs;

- to give knowledge of the sanitary-hygienic assessment of water supply sources, ways to improve the quality of drinking water and water supply systems, the assessment of systems and types of sewage in populated areas;

- teach to carry out sanitary supervision of lighting, heating and ventilation of residential and public buildings, various municipal facilities, health care facilities, pharmacies and sports facilities;

- to teach to carry out the development and implementation of sanitary and hygienic measures for the sanitary protection of water bodies, atmospheric air and soil of populated areas and indoor air.

9. Justification of the choice of discipline: Communal hygiene is one of the leading preventive disciplines, studying the impact of natural and anthropogenic environmental factors on human health in populated areas, with the aim of justifying measures to improve the human environment, to prevent and reduce morbidity of the population, to develop hygienic standards and sanitary legislation in the field of communal hygiene. Communal hygiene is one of the scientific branches of preventive medicine, knowledge issues which need to bachelors in the specialty "Public Health".

10. Learning outcomes (competencies):

Knowledge (cognitive sphere)	Skills and abilities (psychomotor sphere)	Personal and professional competencies (relationships)
• knows the causes, conditions and risk factors for the occurrence and spread of infectious and non-communicable diseases among the population by water and their prevention; • knows the rules for organizing and conducting sanitary inspection of the main sources of pollution of atmospheric air, soil and water of reservoirs; • knows methods for assessing the illumination, ventilation and heating of residential and public buildings, communal facilities, sports facilities, medical institutions; • knows the stages of the examination of projects of water supply, sewage of populated areas, planning and building urban and rural settlements, residential and public buildings, utility facilities, sports facilities and medical institutions; • knows the methodology for calculating and assessing public health indicators due to exposure to environmental factors; • knows the rules for organizing and conducting sanitary and hygienic measures for the sanitary protection of water bodies, atmospheric air, soil and indoor air; • knows the device and the principle of operation of the devices: necessary to assess the level of various environmental factors.	• makes management decisions at different levels of state sanitary and epidemiological surveillance; • assesses the sanitary and hygienic state of various objects in the event of a complicated sanitary and epidemiological situation; • evaluates the effectiveness of measures to eliminate the waterway of infection, taking into account the characteristics of water supply and water use in a particular area; • carries out precautionary and current sanitary and hygienic supervision of communal hygiene objects and environmental factors; • gives a hygienic assessment of the purity of atmospheric air, soil, and water.	- takes new ideas; - demonstrates relevant communication skills; - complies with the principles of medical ethics when communicating with the public; -has skills in teamwork and leadership skills; • carries out state preventive and current sanitary and epidemiological surveillance in the field of communal hygiene; • conduct examination of project documents of various objects of municipal hygiene; • assesses the effects associated with adverse environmental factors on the health of adults and children.

11. Prerequisites: epidemiology, infectious diseases, radiation hygiene and medical ecology

12. Post requisites: public health, state sanitary and epidemiological surveillance

13. Literature

1. Normative and legal acts, normative-methodical documents of the State Sanitary-Epidemiological Service, sanitary rules and norms on communal hygiene, operating in the territory of the Republic of Kazakhstan.
2. Municipal hygiene / edited by V. Mazaev. At 2 o'clock - M., 2006 - P.1.304s,; Part 2 – 336p.
3. Nemenko B.A., Bekkazinova D. B., Arynova G. A., Elgondina G. B. Guide to practical classes in communal hygiene: Textbook - Almaty, 2008. – 430p.

1. Department: "Hygiene and epidemiology"

2. Level of preparation (bachelor)

3. Specialty: 6B10111-“Public Health”

4. Course: 3

5. Name of элективной discipline : "Nutrition"

6. Number of credits - 5

7. Objective: to train a public health specialist to conduct state sanitary and epidemiological surveillance in the field of communal hygiene

8. Tasks:

- give to the students modern knowledge about basic theoretical and practical principles of organization of rational feed of healthy and sick man;
- teach to estimate the indexes of quality of food products;
- to teach to expose reasons, terms and risk of origin and distribution factors among the population of the infectious and uninfected diseases related to the food products and to carry out their prophylaxis;
- give knowledge on bases of sanitary norms and rules for the enterprises of food industry;
- to give knowledge on organization of current sanitary supervision sanitary-hygienic inspection enterprises of food industry

9. Ground of choice of discipline : Hygiene of feed is an obligatory and important link in the system of medicine- hygiene sciences, to provide fundamental theoretical knowledge on the base of that all preparation of the future of specially is built on the hygiene of feed. The object of study are nutrition status of man, food value and safety of food products, state sanitary- epidemiological supervision in area of hygiene of feed. Specialists must be ready to adapt oneself to the changing terms of the system and management of health protection at the level of the state and world community, continue educating during all life, to endow in development of society.

10. Results of educating (competences) :

Knowledge (cognitive sphere)	Skills and abilities (psychomotor sphere)	Personal and professional competencies (relationships)
• knows bases of state sanitary- epidemiology supervision in area of hygiene of feed; • knows the scientific problems of feed and connection of them with a health and ability to work of population, national politics of PK in area of feed;	• carries out a preventive and current sanitary supervision; • develops and controls implementation of events on rationalization of feed; • conducts events on warning of the food poisoning, acute intestinal infectious diseases and illnesses of alimentary origin;	- give new ideas, - to demonstrate corresponding communicative skills, -to observ principle of hodegetics at intermingling with a population; -to possess skills of work in a command and leader qualities;

• knows the food and biological value of food products, signs of their high quality and spoilage; knows principles of sanitary guard and hygienical examination of foodstuffs; • knows reasons, terms and risk of origin and distribution factors among the population of infectious and uninfected trophobiosis and their prophylaxis; • knows methodology of sanitary-hygienic inspection of food enterprises; • - knows methodology of investigation and principles of prophylaxis of outbreaks of the food poisoning.	• designs medical-sanitary documentation; • carries out the hygienical estimation of food products; • carries out monitoring of quality and safety of food products, health of population.	-to be competent in the questions of integration of sanitary- epidemiology service, community health care and management of health protection; - Are draftings of questionnaires and canvassing of population for the study of actual feed; - sanitary- hygiene inspections of food object, drafting of act of inspection and acceptance of measures on liquidation of the detected violations; • prosecuting an inquiry of cases of the food poisoning, cause establishments and acceptance of measures on their liquidation with drafting of act of investigation.
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11. Prerequisite: epidemiology, infectious diseases, radiation hygiene and medical ecology

12. Postrequisite: community health care, state sanitary- epidemiology supervision

13. Literature

1. Corolev A. A. Hygiene of feed : textbook. -3-e publ. of work. -M., 2008. 528 p.

2. Terehin C.P., Ahmetova C.B. Curative feed (studying manual). it is Karaganda. 2005. -

385 p.

1. **Department:** "Public Health and Healthcare"

2. **Level of Training:** Bachelor's Degree

3. **Educational Program:** 6B10111 Public Health

4. **Year of Study:** 5

5. **Title of the Elective Course:** Accreditation in the healthcare system

6. **Number of Credits:** 5

7. **Goal** To familiarize students with the accreditation system in the healthcare sector of the Republic of Kazakhstan, to master methods of assessing and monitoring the quality of activities of medical organizations, and to develop skills in managing the quality of medical services in their future professional activities.

8. Discipline Content:

9. To introduce the legislative and regulatory framework of the accreditation process in the Republic of Kazakhstan.

10. To teach students how to evaluate medical organizations according to accreditation standards and criteria.

11. To highlight the specifics of accreditation for outpatient care and private medical organizations.

12. To master the principles of organizing and conducting internal and external expertise for quality control of medical services.

13. To develop students' abilities to manage and improve the quality of work of medical organizations.

14. **Course Objectives** (30–50 words).
15. Accreditation in healthcare of RK. Legislative and regulatory framework of the accreditation process in RK. Accreditation standards. Accreditation standards for healthcare organizations providing outpatient care. Accreditation of private medical institutions. Rules for organizing and conducting internal and external examinations of medical services quality. Quality control of medical services for the provision of medical care.
16. **Justification for Course Selection**
17. In the healthcare system of Kazakhstan, the main task is to improve the quality of medical services, ensure patient safety, and bring the activities of organizations into compliance with standards. The choice of this course:
18. Allows students to understand the essence of the accreditation system and its impact on the work of medical organizations;
19. Familiarizes future specialists with methods of assessing and improving the quality of medical services;
20. Develops professional competencies aimed at ensuring high-quality and safe care in medical organizations.
21. **Learning Outcomes** (4-6 learning outcomes in accordance with Dublin Descriptors):
22. **LO 1.** The student should know the legislative and regulatory framework of the accreditation process for medical organizations in the Republic of Kazakhstan, understand the standards and criteria for assessing the quality of medical care, and recognize the role of accreditation in managing the healthcare system.
23. **LO 2.** The student is able to apply their knowledge of accreditation standards to conduct internal and external evaluation of medical organizations, as well as to develop recommendations for improving the quality of medical services and ensuring patient safety.
24. **LO 3.** The student is able to critically evaluate medical care delivery processes, identify weaknesses in organizational work, and make evidence-based decisions to improve quality and ensure compliance with accreditation standards.
25. **LO 4.** The student can clearly and convincingly present the results of medical service quality assessments to both healthcare professionals and a broader audience, as well as prepare reporting documentation in accordance with accreditation requirements.
26. **LO 5.** The student is able to independently collect, analyze, and interpret information on accreditation standards and practices, taking into account social, ethical, and scientific aspects when developing proposals for improving the quality of medical services.
27. **Prerequisites:** Health management, Health policy and legislation, Digitalisation and artificial intelligence in healthcare
28. **Post-requisites:** Master's degree disciplines
29. **Literature:**
30. Kudaybergenova G. U. **Development of Design and Estimate Documentation and Business Plan: Lecture Series.** — [s.l.]: JSC YUKMA, 2025. — 107 p.
31. Syzdykova K. Sh. **Healthcare Management: Textbook.** — Almaty: IP “Aknur” Publishing, 2015. — 236 p.
32. M. M. Mukhambeikov. **Management in Healthcare: Textbook.** — Developed by Peoples’ Friendship University of Russia and L. N. Gumilyov Eurasian National University. — Almaty: Evero, 2014.
33. R. K. Bigalieva. **Management and Organization of Healthcare: Textbook for Medical University Students.** — Almaty: Evero, 2013. — 304 p.
34. **Lecture Series: Technology of Development of Design and Estimate Documentation and Business Plan.** — [s.l.], 2023. — 44 p.

35. **Lecture Series: Development of Design and Estimate Documentation and Business Plan.** — [s.l.], 2023. — 52 p.
36. Ermakhanova F. R. **Quality Management and Management Systems: Textbook (2nd edition).** — Karaganda: Aknur Publishing, 2019. — 284 p. [Link](#)
37. Zaluchenova O. M. **Quality Management: Practical Course.** — Almaty: Turan University, 2018. — 96 p. — ISBN 978-601-214-375-1. [Link](#)
38. M. M. Mukhambeikov. **Healthcare Management: Textbook.** — Almaty: Evero, 2020. — 348 p. [Link](#)
39. R. K. Bigalieva. **Management and Organization of Healthcare.** — Almaty: Evero LLP, 2020. — 304 p. [Link](#)
40. Z. B. Ospanova. **Psychology of Management: Textbook.** — Almaty: Evero, 2020. — 124 p. [Link](#)
41. Syzdykova K. Sh., Tulebaev Zh. S., Ryskulova A. R. **Healthcare Management: Textbook (2nd edition).** — Almaty: IP Aknur, 2019. — 236 p. [Link](#)
42. Tulebaev Zh. S., Syzdykova K. Sh., Maukenova A. A., Alshembaeva L. T. **Healthcare Management: Lecture Collection (2nd edition).** — Almaty: Aknur Publishing, 2019. — 258 p. [Link](#)
43. Utegulova B. S., Myrzakhanova D. Zh. **Fundamentals of Strategic Management: Textbook.** — Almaty: LP-Zhasulan, 2019. — 194 p. [Link](#)
44. Syzdykova K. Sh., Tulebaev Zh. S., Aktureeva E. A. **Economics and Marketing in Healthcare: Textbook (2nd edition).** — Almaty: IP Aknur, 2019. — 274 p. [Link](#)
45. Tulebaev Zh. S., Syzdykova K. Sh., Maukenova A. A. **Economics and Marketing in Healthcare: Lecture Collection (2nd edition).** — Almaty: Aknur Publishing, 2019. — 214 p. [Link](#)

1. **Department:** Public Health and Healthcare
2. **Level of Training:** Bachelor's degree
3. **Educational Program:** 6B10111 Public Health
4. **Course:** 5
5. **Name of the Elective Discipline:** Organization of primary health care
6. **Number of Credits:** 5
7. **Goal:** To develop students' knowledge of the principles and organization of primary health care, preventive and medical-social work, as well as to develop skills in applying this knowledge when providing medical care at the level of the individual, family, and community.
8. **Objectives**
 1. to study the concept, structure, and principles of organizing primary health care;
 2. to develop knowledge about the factors of physical, mental, and social health of an individual;
 3. to master methods of disease prevention and organization of health schools for the population;
 4. to study the procedures for maintaining primary medical documentation and reporting;
 5. to examine the main methods of social protection and public health protection;
 6. to study the concept of disability as a socio-legal category, including types of temporary and permanent disability;
 7. to become familiar with the principles and procedures for conducting disability assessment;
 8. to develop skills in organizing preventive and medical-social care for the population in compliance with social, legal, and moral-ethical standards.
- Discipline Content:** (30–50 words).
9. Content of primary health care (PHC). The concept of the organization of primary health care. Compliance with the principles of social honesty, parity and synergy. Organization of health schools, measures for the prevention and detection of diseases and conditions

provided at the level of a person, family and society. Maintaining primary medical documentation and reporting.

Rationale for Choosing the Discipline: At the PHC level, preventive, diagnostic, therapeutic, and medical-social measures aimed at maintaining and strengthening public health are implemented. Primary health care (PHC) is the foundation of the healthcare system and plays a key role in ensuring accessible, continuous, and high-quality medical care for the population. Studying this discipline enables students to develop knowledge about the principles of PHC organization, maintenance of primary medical documentation, disease prevention, and working with individuals, families, and communities.

Learning Outcomes: (4–6 learning outcomes in accordance with the Dublin Descriptors)

10. LO 1

11. Demonstrates systematic knowledge of the principles and concepts of organizing primary health care, preventive and medical-social work with the population, as well as the regulatory and legal framework and ethical principles of providing medical care.

12. LO 2

13. Applies acquired knowledge to organize preventive, diagnostic, and therapeutic activities at the level of the individual, family, and community, as well as to maintain primary medical documentation and reporting.

14. LO 3

15. Evaluates the effectiveness of the primary health care system, analyzes directions of preventive activities, and makes evidence-based decisions within their professional competence.

16. LO 4

17. Effectively interacts with patients, families, communities, and healthcare professionals, presents information in a reasoned manner, and adheres to social, legal, and moral-ethical standards.

18. LO 5

19. Demonstrates the ability to independently search for, analyze, and apply information related to the organization of primary health care, and to improve professional knowledge and skills to solve public health problems.

20. **Prerequisites:** Public Health, Analysis of the Quality of Medical Care.

21. **Postrequisites:** Master's level disciplines.

22. Literature:

23. Медик В. А. Общественное здоровье и здравоохранение : рук. к практическим занятиям: учеб. пособие / В. А. Медик, В. И. Лисицын, М. С. Токмачев. - 3-е изд. перераб. - М. : ГЭОТАР - Медиа, 2024. - 496 с.
24. Актуальные проблемы формулярной системы в медицинской организации : учебно-методические рекомендации / С. А. Ташимова [и др.]. - Шымкент, 2025. - 25 с
25. Medical law : textbook / Zh. U. Tlembaeva [et. al.]; ed. J. U. Tlembaena. - Astana : Medet Group , 2024. - 196 p.
26. Медицинское право : учебник / Ж. У. Тлембаева [и др.] ; ред. Ж. У. Тлембаева. - Астана : Medet Group , 2023. - 218 с.
27. Медициналық құқық : оқулық / Ж. У. Тлембаева [және т.б.]. - Астана, 2023. - 214 б
28. Экономика здравоохранения : учебное пособие / под ред. М. Г. Колосницыной. - 2-е изд., перераб. и доп. ; М-во образования и науки РФ. Рек. ФГАУ "Фед. ин-т развития образования". - М. : ГЭОТАР - Медиа, 2018.

29. Повышение качества медицинской помощи и безопасности пациентов в медицинских организациях : наглядное руководство / пер. с англ. Г. Э. Улумбековой ; под ред. С. С. Панисар. - М. : ГЭОТАР - Медиа, 2016. - 160 с.
30. Первичная медико - санитарная помощь как приоритет в системе здравоохранения [Электронный ресурс] : лекционный комплекс / ЮКГФА. Кафедра: "Общественное здравоохранение - 1". - Электрон. текстовые дан. - Шымкент : [б. и.], 2015.
31. Здоровье населения и здравоохранение Республики Казахстан (White Paper) Аканов А., Мейманалиев Т. Алматы, издательство Эверо, 2020. – 80 с. https://www.elib.kz/ru/search/read_book/145/
32. Касымова, Б. Т. Денсаулық сақтау экономикасы : оқу құралы / Б. Т. Касымова, Қ. М. Сисенғалиева, Л. К. Мағзумова. - Алматы : Эверо, 2016. - 260 бет. с.
33. Рахыпбеков, Т. К. Денсаулық сақтау саласындағы экономикалық талдау әдістері : оқу құралы / Т. К. Рахыпбеков. - Алматы : АҚНҰР, 2016. - 340 бет.
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36. Токкулиева, Б. Б. Денсаулық сақтаудағы экономика және қаржыландыру негіздері : оқу құралы / Б. Б. Токкулиева. - ; ОҚМФА Әдіст. Кеңес мәжілісінде бекіт. және баспаға ұсынған. - Алматы : Эверо, 2014. - 208 бет. С
37. Гриффин, Р. Менеджмент = Management : оқулық / Р. Гриффин ; Қаз.тіл.ауд. Г.А. Абдуллина [және т.б.]. - 12- басылым. - Астана : Ұлттық аударма бюросы, 2018. - 768 б. с. : сур.-(Рухани жаңғыру).
38. Общественное здоровье и здравоохранение, экономика здравоохранения. В 2 т. Т. 1 : учебник / М-во образования и науки РФ ; под ред. В. З. Кучеренко. - ; Рек. ГБОУ ВПО "Первый Моск. гос. мед. ун-т им. И. М. Сеченова". - М. : ГЭОТАР - Медиа, 2013
39. Общественное здоровье и здравоохранение, экономика здравоохранения. В 2 т. Т. 2 : учебник / М-во образования и науки ; под ред. В. З. Кучеренко. - ; Рек. ГБОУ ВПО "Первый Моск. гос. мед. ун-т им. И. М. Сеченова". - М. : ГЭОТАР - Медиа, 2013.
40. Актуальные проблемы формулярной системы в медицинской организации : [Электронный ресурс]: учебно-методические рекомендации / С. А. Ташимова [и др.]. - Шымкент, 2025. - 25 с. эл. опт. диск (CD-ROM). - Электронные данные.
41. Лисицын, Ю. П. Общественное здоровье и здравоохранение [Электронный ресурс] : учебник / Ю. П. Лисицын, Г. Э. Улумбекова. - 3-е изд., перераб. и доп. - Электрон. текстовые дан. (43,1Мб). - М. : ГЭОТАР - Медиа, 2017.
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43. Қоғамдық денсаулық және денсаулық сақтау: оқулық /М.Ә. Бөлешов.- Алматы: Эверо, 2020. - 244 бет. https://www.elib.kz/ru/search/read_book/674/
44. Развитие системы здравоохранения Казахстана на рубеже веков (исторический анализ). Баймағамбетов С.З., Альжанова Р.С.– Учебное пособие. – Алматы: Эверо, 2020. 120 с. https://www.elib.kz/ru/search/read_book/68/
45. Қоғамдық денсаулықты сақтау : Оқу құралы. . - 2-ші басылым - Қарағанды: АҚНҰР, 2019. - 184 б. Сарсенбаева, Г.Ж. /РМЭБ/<http://rmebrk.kz/book/1173749>
46. Денсаулық сақтау жүйесіндегі персоналды басқару: практикум (2-
47. ші басылым). А.А. Маукенова, К.К. Джампеисова, Л.С. Нурпеисова. – Қарағанды: «Medet Group» ЖШС, 2019. - 122 бет./ <https://aknurpress.kz/reader/web/1855>
48. Денсаулық сақтау жүйесіндегі персоналды басқару: оқу құралы (2-ші

49. басылым). А.А. Маукенова, К.К. Джампеисова, Л.С. Нурпеисова. – Қарағанды: «Medet Group» ЖШС, 2019. - 234 бет./ <https://aknurpress.kz/reader/web/1852>
50. Денсаулық сақтаудағы менеджмент: дәрістік топтама (2-ші басылым). Ж.С. Төлебаев, К.Ш. Сыздықова, А.А. Маукенова, Л.Т. Алшембаева /– Алматы: ЖК «АҚНҰР баспасы», – 2019. – 258 бет./ <https://aknurpress.kz/reader/web/1367>
51. Сапаны басқару және менеджмент жүйелері: оқулық (2-ші басылым). Ф.Р. Ермаханова. - Қарағанды: ЖК «АҚНҰР баспасы», 2019. – 284 б. <https://aknurpress.kz/reader/web/1121>
52. Денсаулық сақтаудағы экономика және маркетинг: дәрістік топтама (2-ші басылым). Ж.С. Төлебаев, К.Ш. Сыздықова, А.А. Маукенова. – Алматы: ЖК «АҚНҰР баспасы», - 2019. - 214 бет./ <https://aknurpress.kz/reader/web/1368>
53. Менеджмент в здравоохранении: учебное пособие (2-ое издание). К.Ш. Сыздықова, Ж.С. Тулебаев, А.Р. Рыскулова. – Алматы: ИП «АҚНҰР», 2019. - 236 с./ <https://aknurpress.kz/reader/web/1365>
54. Менеджмент качества : Практикум. Залучёнова, О.М.. - Алматы: Университет «Туран», 2018. - 96 с. <http://rmebrk.kz/book/1170570>

1. Department of Public health and healthcare

2. Level of Training: Bachelor's Degree

3. Educational Program: 6B10111 - Public Health

4. Year of Study: 5

5. Name of the Elective Discipline: Health system database management

6. Number of Credits (not less than 5 credits): 5

7. Goal: To teach students the theoretical foundations of database management in the healthcare system, as well as methods for the effective collection, storage, and processing of medical information. In addition, to develop data analysis skills for making managerial decisions in the field of healthcare.

8. Objectives: To familiarize students with the structure and principles of information systems and databases in the healthcare system. To teach them how to collect, store, and process medical data. To develop their skills in using data to analyze health indicators. To teach them how to effectively apply information technologies in public healthcare.

9. Subject description (30–50 words):
Basic concepts of the information system (IS) in healthcare. Digital technologies in healthcare. Classification of databases (DB). Stages of database creation. Information data processing system. Basic requirements for database management systems. Integrated Medical Information System (IMIS). Electronic medical card. Integrated Electronic Medical Record (IEMR). Unified State Health Information System.

10. Rationale for Choosing the Discipline: This discipline allows you to develop the skills of proper data organization and use through the application of information systems and databases in the healthcare sector. In addition, the acquired knowledge plays an important role in the analysis of public health indicators and the adoption of management decisions. The volume of medical data in the healthcare system is increasing every year, making its effective management and analysis particularly important.

11. Learning Outcomes (4–6 outcomes in accordance with the Dublin Descriptors):

12. RO 1 Explains the structure and principles of databases in healthcare systems.

13. RO 2 Applies methods for collecting, storing, and processing medical information in professional activities.

14. RO 3 Uses effective data analysis methods for health indicators.

15. RO 4 Makes data-driven management decisions in healthcare systems.

16. Prerequisites: Health Policy and Legislation

17. Postrequisites: Master's degree disciplines

18. Literature:

19. Актуальные проблемы формулярной системы в медицинской организации : учебно-методические рекомендации / С. А. Ташимова [и др.]. - Шымкент, 2025. - 25 с.
20. Medical law : textbook / Zh. U. Tlembaeva [et. al.]; ed. J. U. Tlembaeva. - Astana : Medet Group , 2024. - 196 p.
21. Касымова, Б. Т. Денсаулық сақтау экономикасы : оқу құралы / Б. Т. Касымова, Қ. М. Сисенғалиева, Л. К. Мағзумова. - Алматы : Эверо, 2016. - 260 бет. с.
22. Рахыпбеков, Т. К. Денсаулық сақтау саласындағы экономикалық талдау әдістері : оқу құралы / Т. К. Рахыпбеков. - Алматы : АҚНҰР, 2016. - 340 бет.
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24. Сапаны басқару және менеджмент жүйелері: оқулық (2-ші басылым). Ф.Р. Ермаханова. - Қарағанды: ЖК «АҚНҰР баспасы», 2019. – 284 б.
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26. Общественное здоровье и здравоохранение, экономика здравоохранения. В 2 т. Т. 1 : учебник / М-во образования и науки РФ ; под ред. В. З. Кучеренко. - ; Рек. ГБОУ ВПО "Первый Моск. гос. мед. ун-т им. И. М. Сеченова". - М. : ГЭОТАР - Медиа, 2013
27. Общественное здоровье и здравоохранение, экономика здравоохранения. В 2 т. Т. 2 : учебник / М-во образования и науки ; под ред. В. З. Кучеренко. - ; Рек. ГБОУ ВПО "Первый Моск. гос. мед. ун-т им. И. М. Сеченова". - М. : ГЭОТАР - Медиа, 2013.
28. Решетников, А. В. Медико-социологический мониторинг [Электронный ресурс] : руководство / А. В. Решетников. - Электрон. текстовые дан. (43.8Мб). - М. : ГЭОТАР - Медиа, 2017. - эл.
29. Лисицын, Ю. П. Общественное здоровье и здравоохранение [Электронный ресурс] : учебник / Ю. П. Лисицын, Г. Э. Улумбекова. - 3-е изд., перераб. и доп. - Электрон. текстовые дан. (43,1Мб). - М. : ГЭОТАР - Медиа, 2017. - эл. опт. диск (CD-ROM).
30. Основы антикоррупционной культуры [Электронный ресурс] : учебное пособие / под ред. Б. С. Абдраилова. - Электрон. текстовые дан. (702Мб). - Астана : Акад. Гос. упр. при Президенте РК, 2016. - 176 с
31. Сарсенбаева, Г.Ж. Қоғамдық денсаулықты сақтау : Оқу құралы. . - 2-ші басылым - Қарағанды: АҚНҰР, 2019. - 184 б. Сарсенбаева, Г.Ж. /РМЭБ/<http://rmebrk.kz/book/1173749>
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33. Основы социальной медицины : учебное пособие для вузов / Г. П. Артюнина. — Москва : Академический проект, 2020. <https://www.iprbookshop.ru/110104>
34. Денсаулық сақтаудағы менеджмент: Оқу құралы / М.М. Мұхамбеков -Алматы: «Эверо» баспасы, 2020 ж. - 348 бет. https://www.elib.kz/ru/search/read_book/626/
35. Қоғамдық денсаулық және денсаулық сақтау: оқулық /М.Ә. Бәлешов.- Алматы: Эверо, 2020. - 244 бет. https://www.elib.kz/ru/search/read_book/674/
36. Психология управления : Учебное пособие. Хайруллин, Г.Т., Қасымжанова, А.А. - Алматы: Университет «Туран», 2020. - 352 с./ <http://rmebrk.kz/book/1173705>
37. Денсаулық психологиясы. Оқу құралы. / Жолдасбеков А.А.,
38. Примбетова С.К. Алматы: «Эверо» баспасы, 2020
https://www.elib.kz/ru/search/read_book/530

1. **Department of Public health and healthcare**
2. **Level of Training:** Bachelor's Degree
3. **Educational Program:** 6B10111 - Public Health
4. **Year of Study:** 5
5. **Name of the Elective Discipline:** Identification and analysis of risks in the quality system of medical services
6. **Number of Credits (not less than 5 credits):** 5
7. **Goal:** To provide students with theoretical knowledge and practical skills in identifying, assessing, and analyzing risks within the quality management system of healthcare services, as well as to develop competencies in risk management aimed at improving the quality and safety of medical care.
1. **Objectives:** To study the main principles of quality management systems in healthcare.
2. To master methods for identifying and analyzing risks that arise during the provision of medical care.
3. To develop skills for evaluating quality assurance and patient safety systems in medical organizations.
4. To develop the ability to design risk management strategies and apply them in professional practice.
5. To develop skills in making evidence-based decisions to improve the quality of healthcare services.
6. **Subject description (30–50 words):**
Criteria for assessing the degree of risk and checklists in the areas of quality of medical services, circulation of medicines and medical devices. Risk assessment criteria used for preventive monitoring with visits to subjects (objects) in the field of medical services (assistance). Principles of Deming quality management. SWOT analysis. PEST analysis.
7. **Rationale for Choosing the Discipline:** This discipline is important for specialists in public health, as the quality of healthcare services and patient safety are key priorities in modern healthcare systems. During the course, students learn methods for identifying risk factors in medical organizations, assessing their potential consequences, and developing preventive measures. The discipline also covers international standards of quality management systems and tools for evaluating healthcare service quality. Studying this discipline enables future specialists to participate in management, monitoring, and continuous improvement of healthcare quality in medical organizations.
1. **Learning Outcomes (4–6 outcomes in accordance with the Dublin Descriptors):**
2. LO 1 Explain the basic concepts, principles, and methods of quality management and risk management in healthcare systems.
3. LO 2 Apply methods for identifying, analyzing, and assessing risks in medical organizations in practical situations.
4. LO 3 Evaluate risk factors affecting the quality of medical care and make evidence-based decisions to reduce or prevent them.
5. LO 4 Communicate effectively in professional environments on issues related to quality management and risk analysis, analyze obtained results, and demonstrate the ability for further professional development.
6. **Prerequisites:** Health Policy and Legislation
7. **Postrequisites:** Master's degree disciplines
8. **Literature:**
9. Актуальные проблемы формулярной системы в медицинской организации : учебно-методические рекомендации / С. А. Ташимова [и др.]. - Шымкент, 2025. - 25 с.
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17. Общественное здоровье и здравоохранение, экономика здравоохранения. В 2 т. Т. 2 : учебник / М-во образования и науки ; под ред. В. З. Кучеренко. - ; Рек. ГБОУ ВПО "Первый Моск. гос. мед. ун-т им. И. М. Сеченова". - М. : ГЭОТАР - Медиа, 2013.
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28. Примбетова С.К. Алматы: «Эверо» баспасы, 2020 https://www.elib.kz/ru/search/read_book/530

1. **Department:** Public Health and Healthcare
2. **Level of Training: Bachelor's degree:** Bachelor
3. **Educational Program:** 6B10111 Public Health
4. **Course:** 5
5. **Name of the Elective Discipline:** Medical and social protection of the population

6. **Number of Credits:** 5
7. **Goal:** To develop students' professional knowledge about the factors influencing physical, mental, and social health, the system of medical and social protection of the population, and to enhance skills in organizing medical and social care and assessing directions of social protection in healthcare.
8. **Objectives:**
 9. To study the main factors affecting physical, mental, and social health;
 10. To examine the main methods of social protection and health promotion;
 11. To master principles of organizing preventive medical and social work;
 12. To develop knowledge about the social protection system in healthcare;
 13. To study the concept of disability as a socio-legal category, including temporary and permanent disability;
 14. To become familiar with the principles and procedures of disability assessment;
 15. To develop skills in organizing social work and medical-social assistance while adhering to social, legal, and moral-ethical norms.
16. **Discipline Content:** (30–50 words)
17. Formation of professional knowledge about the factors of physical, mental, social health. The main methods of social protection and public health protection. Organization of preventive direction of medical and social work. Assessment of the directions of social protection in medicine. Organization of social work, medical and social assistance to the population, observing social, moral and ethical norms.
18. **Rationale for Choosing the Discipline:**
19. In public health, ensuring social protection and maintaining the health of various social groups is crucial. Public health specialists must understand the impact of physical, mental, and social factors on human health, know the mechanisms of social support, and principles of organizing medical and social care. This course provides knowledge about the system of social protection in healthcare, issues of temporary and permanent disability, disability assessment, and the organization of preventive medical and social work with the population.
20. **Learning Outcomes:** (4–6 learning outcomes in accordance with the Dublin Descriptors)
21. **LO1**
22. Demonstrates systematic knowledge of factors affecting physical, mental, and social health, principles and mechanisms of medical and social protection of the population, as well as legal foundations of social support and disability assessment.
23. **LO2**
24. Applies theoretical knowledge to analyze medical and social problems, determine types of social support, and organize preventive medical and social care for different population groups.
25. **LO3**
26. Evaluates directions and effectiveness of the social protection system in healthcare, analyzes cases of temporary and permanent disability, and makes justified decisions within professional competence.
27. **LO4**
28. Effectively interacts with patients, social services, and medical specialists, presents information clearly, and observes professional, social, and moral-ethical norms when organizing medical and social care.
29. **LO5**
30. Demonstrates readiness for independent search and analysis of information on medical and social protection, and improves professional knowledge and skills to address current public health challenges.
31. **Prerequisites:** Social and Medical Insurance
32. **Postrequisites:** Master's level disciplines.

33. Literature:

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