

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)
<ul style="list-style-type: none"> - 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; 	<ul style="list-style-type: none"> - 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; 	<ul style="list-style-type: none"> - 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 / internship / magistracy / residency)

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)
<ul style="list-style-type: none"> - 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. 	<ul style="list-style-type: none"> - 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 	<ul style="list-style-type: none"> - 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 ев.І. Ecology and public health; Training For medical universities and colleges, Almaty: SIC Glym, 2002

additional:

- 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 / internship / magistracy / residency)

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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<p>-Knows precautionary and current health supervision in the field of occupational health;</p> <p>- 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);</p> <p>- knows about their hygienic regulation and preventive measures;</p> <p>- knows about industrial ventilation, lighting, heating and their values in creating favorable working conditions;</p> <p>-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;</p> <p>-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;</p> <p>- Knows about the certification of production of working conditions. He is aware of a comprehensive assessment of the health status of workers;</p> <p>- knows about professional poisoning, industrial injuries, accounting, registration and investigation of professional poisonings;</p> <p>- knows the basics of hygienic regulation of harmful substances, physical, chemical and biological factors of the production environment;</p> <p>-knows the physiological basis of the organization of workplaces, working conditions (severity and intensity of labor)</p>	<p>- able to conduct business, accounting and reporting, medical documentation on labor hygiene in the state and Russian languages;</p> <p>- is able to assess the sanitary and hygienic state of various objects in the event of a complicated sanitary and epidemiological situation;</p> <p>- is able to give a hygienic assessment of working conditions and at the enterprise as a whole;</p> <p>- able to understand the principle of work and methods of studying the functional state of the body in the process of work;</p> <p>- able to carry out preventive and current sanitary and hygienic supervision in the field of occupational health;</p> <p>- is able to conduct accounting, investigation and analysis of professional poisonings, diseases and injuries at work;</p> <p>- able to work with devices, evaluate the hygienic efficiency of sanitary equipment, taking into account international standards;</p> <p>- 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</p>	<p>- 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;</p> <p>- formulate its own conclusions in the form of recommendations, proposals, regulations on the implementation of sanitary and hygienic and anti-epidemic measures.</p>
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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 / internship / magistracy / residency)

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)
<ul style="list-style-type: none"> - 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 	<ul style="list-style-type: none"> - 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; 	<ul style="list-style-type: none"> - 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 / internship / magistracy / residency)

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)
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<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> - 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.
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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

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 / internship / magistracy / residency)

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 (competenses) :

Knowledge (cognitive sphere)	Skills and abilities (psychomotor sphere)	Personal and professional competencies (relationships)
<ul style="list-style-type: none"> • 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; • knows the food and biological value of food 	<ul style="list-style-type: none"> • 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; 	<ul style="list-style-type: none"> - 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; -to be competent in the questions of integration of sanitary- epidemiology

<p>products, signs of their high quality and spoilage; knows principles of sanitary guard and hygienical examination of foodstuffs;</p> <ul style="list-style-type: none"> • knows reasons, terms and risk of origin and distribution factors among the population of infectious and uninfected zoonoses and their prophylaxis; • knows methodology of sanitary-hygenic inspection of food enterprises; • - knows methodology of investigation and principles of prophylaxis of flashes of the food poisoning. 	<ul style="list-style-type: none"> • designs med-sanitary documentation; • carries out the hygienical estimation of food products; • carries out monitoring of quality and safety of food products, health of population. 	<p>service, community health care and management of health protection;</p> <p>Are draftings of questionnaires and canvassing of population for the study of actual feed;</p> <ul style="list-style-type: none"> - sanitary- hygiene inspections of food object, drafting of act of inspection and acceptance of measures on liquidation of the educed 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. Prerecvizit: epidemiology, infectious diseases, radiation hygiene and medical ecology

12. Postrecvizit: 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. -