

Catalog of elective subjects

1. Department of Emergency Medicine and Nursing

2. Level of training: Bachelor degree

3. EP: Nursing services

4. Course: 1

5. Name of the elective discipline: Nursing care at home

6. Number of credits: 4

7. The purpose of the discipline: Training of a Bachelor of nursing specialist in the educational program of a social worker who knows the main symptoms and syndromes of the most common socially significant diseases and is able to provide first aid in emergency situations.

8. Objectives of the discipline:

- Training in the theoretical and practical basics of patient care in medical institutions;
- Training in mastering the principles of professional ethics and deontology, the culture of thinking, the ability to present, analyze, perceive information, set goals and choose ways to achieve them;
- Training in interaction with colleagues and working in a team, including as part of a medical team, in accordance with the approved Procedure for providing medical care to patients;

9. Content of the discipline:

A nurse should know the methods of solving care problems individually for each patient, depending on the specific case. The focus is on a specific patient with his problems arising from certain conditions and nosological forms of diseases.

10. Justification for choosing a discipline: In most cases, to show an assessment of the health status of patients in a nosological form and the specific need of each patient individually. Timely assessment of the state of health contributes to the recovery of the patient. This requires highly trained nursing professionals.

Learning outcomes (competencies):

Knowledge (cognitive sphere)	Skills and abilities (psychomotor sphere)	Personal and professional competencies (relationships)
Knows the main provisions of the Republic of Kazakhstan, the basics of healthcare legislation and regulatory documents	Knows how to work with regulatory and instructional documentation;	Establishing professional, personal and corporate relationships
Nursing documentation. Knowledge of regulatory and structural documentation, professional activity of a specialist;	the ability to document the main stages of the nursing process for the care of patients;	solving the problems of information retrieval, readiness for personal and professional growth;
Knows methods of research of respiratory systems. Knows the methods of research of the cardiovascular system.	Evaluates the state of the main body systems, that is, the cardiovascular system, the functions of the respiratory system. Nursing Owns the implementation of the stages of the nursing process.	Has flexible and creative thinking;

11. Prerequisites: Fundamentals of psychology and communication skills; Fundamentals of nursing.

12. Post-requirements: Specialized nursing care; Nursing in primary health care; Fundamentals of social assistance in healthcare.

Literature

13. Mainpage:

1. Қалқабаева, С. А. Бірінші медициналық көмек: оқу құралы / С. А. Қалқабаева; Оңтүстік Қазақстан мемлекеттік медицина академиясы. Shymkent: OKMA Publ., 2008, 221 p. 897-897 897
2. First medical aid: textbook. manual for students. sred. prof. ucheb. institutions / P. V. Glybochko [et al.]. - Moscow: Publishing Center "Akademiya", 2007. - 240 p.
3. First aid: help. manual / E. E. Tribis. - Moscow: VLADOS-PRESS, 2005. - 214 p. - Tribis, E. E.
4. Uzhegov G. N. First medical aid: monograph / G. N. Uzhegov. Smolensk: Rusich Publ., 2001, 416 p.

Additional:

1. Akanov A. A. Population health and public health of the Republic of Kazakhstan.- 2nd edition. Эверо,оқулық 2014
2. Қаныбеков, А. Медбикенің іс-әрекеттері : оқулық бағдарлама / А. Қаныбеков. - ; KR DSM RCITMON басп. ұсынған. Almaty : Evero Publ., 2014, 476 p. (in Russian)
3. Syzdykova, K. Sh.Syzdykova K. Sh., Ryskulova A. R., Tulebaev Zh. S. [Management in healthcare: a textbook]. - Almaty: IP Publishing House "Aknur", 2015. - 236 p.

1. Department of Emergency Medicine and Nursing

2. Level of training: Bachelor degree

3. EP: Nursing services

4. Course: 1

5. Name of the elective discipline: Patient-oriented nursing

6. Number of credits: 3

7. The purpose of the discipline: To teach students to organize daily nursing practice, on a case-by-case basis, depending on the needs of the patient. To implement a multidisciplinary approach in assessing the patient's condition, making a nursing diagnosis, planning care and treatment.

8. Objectives of the discipline:

- Training in the theoretical and practical basics of patient care in medical institutions;
- Training in mastering the principles of professional ethics and deontology, the culture of thinking, the ability to present, analyze, perceive information, set goals and choose ways to achieve them;
- Training in interaction with colleagues and working in a team, including as part of a medical team, in accordance with the approved Procedure for providing medical care to patients;

9. Content of the discipline:

Nursing in the healthcare system of the Republic of Kazakhstan. Subject, place, and role of public health and prevention programs. Organization and management of the nurse's work. Fundamentals of evidence-based nursing practice, integration of scientific data with the nurse's clinical experience and patient values, critical thinking and decision-making.

10. Justification for choosing a discipline: In most cases, to show an assessment of the health status of patients in a nosological form and the specific need of each patient individually. Timely assessment of the state of health contributes to the recovery of the patient. This requires highly trained nursing professionals.

Learning outcomes (competencies):

Knowledge (cognitive sphere)	Skills and abilities (psychomotor sphere)	Personal and professional competencies (relationships)
Knows the main provisions of the Republic of Kazakhstan, the basics of healthcare legislation and regulatory documents	Knows how to work with regulatory and instructional documentation;	Establishing professional, personal and corporate relationships
Nursing documentation. Knowledge of regulatory and structural documentation, professional activity of a specialist;	the ability to document the main stages of the nursing process for the care of patients;	solving the problems of information retrieval, readiness for personal and professional growth;

Knows methods of research of respiratory systems. Knows the methods of research of the cardiovascular system.	Evaluates the state of the main body systems, that is, the cardiovascular system, the functions of the respiratory system. Nursing Owns the implementation of the stages of the nursing process.	Has flexible and creative thinking;
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11. Prerequisites: Fundamentals of psychology and communication skills; Fundamentals of nursing.

12. Post-requirements: Specialized nursing care; Nursing in primary health care; Fundamentals of social assistance in healthcare.

Literature

13. Mainpage:

5. Қалқабаева, С. А. Бірінші медициналық көмек: оқу құралы / С. А. Қалқабаева; Оңтүстік Қазақстан мемлекеттік медицина академиясы. Shymkent: OKMA Publ., 2008, 221 p. 897-897 897
6. First medical aid: textbook. manual for students. sred. prof. ucheb. institutions / P. V. Glybochko [et al.]. - Moscow: Publishing Center "Akademiya", 2007. - 240 p.
7. First aid: help. manual / E. E. Tribis. - Moscow: VLADOS-PRESS, 2005. - 214 p. - Tribis, E. E.
8. Uzhegov G. N. First medical aid: monograph / G. N. Uzhegov. Smolensk: Rusich Publ., 2001, 416 p.

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4. Akanov A. A. Population health and public health of the Republic of Kazakhstan.- 2nd edition. Эверо, оқулық 2014
5. Қаныбеков, А. Медбикенің іс-әрекеттері : оқулық бағдарлама / А. Қаныбеков. - ; KR DSM RCITMON басп. ұсынған. Almaty : Evero Publ., 2014, 476 p. (in Russian)
6. Syzdykova, K. Sh.Syzdykova K. Sh., Ryskulova A. R., Tulebaev Zh. S. [Management in healthcare: a textbook]. - Almaty: IP Publishing House "Aknur", 2015. - 236 p.

1. Department of Emergency Medicine and Nursing

2. Level of training: Bachelor degree

3. EP: Nursing services

4. Course: 1

5. Name of the elective discipline: Nursing care

6. Number of credits: 3

7. The purpose of the discipline: knowledge of the basics of theory and instilling skills of patient care; mastering by students the basics of professional skills of a nurse, mastering at the skill level the nursing process as a scientific method of providing nursing care.

8. Objectives of the discipline:

- Training in the theoretical and practical basics of patient care in medical institutions;
- Training in mastering the principles of professional ethics and deontology, the culture of thinking, the ability to present, analyze, perceive information, set goals and choose ways to achieve them;
- Training in interaction with colleagues and working in a team, including as part of a medical team, in accordance with the approved Procedure for providing medical care to patients;

9. Content of the discipline:

Nursing in the healthcare system of the Republic of Kazakhstan. Subject, place, and role of public health and prevention programs. Organization and management of the nurse's work. Fundamentals of evidence-based nursing practice, integration of scientific data with the nurse's clinical experience and patient values, critical thinking and decision-making.

10. Justification for choosing a discipline: In most cases, to show an assessment of the health status of patients in a nosological form and the specific need of each patient individually. Timely

assessment of the state of health contributes to the recovery of the patient. This requires highly trained nursing professionals.

Learning outcomes (competencies):

Knowledge (cognitive sphere)	Skills and abilities (psychomotor sphere)	Personal and professional competencies (relationships)
Knows the main provisions of the Republic of Kazakhstan, the basics of healthcare legislation and regulatory documents	Knows how to work with regulatory and instructional documentation;	Establishing professional, personal and corporate relationships
Nursing documentation. Knowledge of regulatory and structural documentation, professional activity of a specialist;	the ability to document the main stages of the nursing process for the care of patients;	solving the problems of information retrieval, readiness for personal and professional growth;
Knows methods of research of respiratory systems. Knows the methods of research of the cardiovascular system.	Evaluates the state of the main body systems, that is, the cardiovascular system, the functions of the respiratory system. Nursing Owns the implementation of the stages of the nursing process.	Has flexible and creative thinking;

11. Prerequisites: Fundamentals of psychology and communication skills; Fundamentals of nursing.

12. Post-requirements: Specialized nursing care; Nursing in primary health care; Fundamentals of social assistance in healthcare.

Literature

13. Mainpage:

9. Қалқабаева, С. А. Бірінші медициналық көмек: оқу құралы / С. А. Қалқабаева; Оңтүстік Қазақстан мемлекеттік медицина академиясы. Shymkent: OKMA Publ., 2008, 221 p. 897-897 897
10. First medical aid: textbook. manual for students. sred. prof. ucheb. institutions / P. V. Glybochko [et al.]. - Moscow: Publishing Center "Akademiya", 2007. - 240 p.
11. First aid: help. manual / E. E. Tribis. - Moscow: VLADOS-PRESS, 2005. - 214 p. - Tribis, E. E.
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8. Қаныбеков, А. Медбикенің іс-әрекеттері : оқулық бағдарлама / А. Қаныбеков. - ; KR DSM RCITMON басп. ұсынған. Almaty : Evero Publ., 2014, 476 p. (in Russian)
9. Syzdykova, K. Sh.Syzdykova K. Sh., Ryskulova A. R., Tulebaev Zh. S. [Management in healthcare: a textbook]. - Almaty: IP Publishing House "Aknur", 2015. - 236 p.

1. Department of Department of Emergency Medicine and Nursing

2. Level of training: Bachelor degree

3. EP: Nursing services

4. Course: 1

5. Name of the elective discipline: Safe nursing care

6. Number of credits: 5

7. The purpose of the discipline: Explain to students the basics of health assessment. To teach to organize an assessment of the state of health aimed at diseases of the nosological form and the specific needs of the patient.

8. Objectives of the discipline:

- Training in the theoretical and practical basics of patient care in medical institutions;
- Training in mastering the principles of professional ethics and deontology, the culture of thinking, the ability to present, analyze, perceive information, set goals and choose ways to achieve them;
- Training in interaction with colleagues and working in a team, including as part of a medical team, in accordance with the approved Procedure for providing medical care to patients;

9. Content of the discipline:

Nursing in the healthcare system of the Republic of Kazakhstan. Subject, place, and role of public health and prevention programs. Organization and management of the nurse's work. Fundamentals of evidence-based nursing practice, integration of scientific data with the nurse's clinical experience and patient values, critical thinking and decision-making.

10. Justification for choosing a discipline: In most cases, to show an assessment of the health status of patients in a nosological form and the specific need of each patient individually. Timely assessment of the state of health contributes to the recovery of the patient. This requires highly trained nursing professionals.

Learning outcomes (competencies):

Knowledge (cognitive sphere)	Skills and abilities (psychomotor sphere)	Personal and professional competencies (relationships)
Implementation of the first and second stages of the nursing process – collection of information, examination and assessment of the situation; establishment of a nursing diagnosis.	Uses ethical, aesthetic, deontological aspects of behavior when communicating with patients. Knowledge of the nursing process, work on improving the qualifications of a nurse..	Establishing professional, personal and corporate relationships
Nursing documentation. Knowledge of regulatory and structural documentation, professional activity of a specialist;	the ability to document the main stages of the nursing process for the care of patients;	solving the problems of information retrieval, readiness for personal and professional growth;
Knows methods of research of respiratory systems. Knows the methods of research of the cardiovascular system.	Evaluates the state of the main body systems, that is, the cardiovascular system, the functions of the respiratory system. Nursing Owns the implementation of the stages of the nursing process.	Has flexible and creative thinking;

11. Prerequisites: Fundamentals of psychology and communication skills; Fundamentals of nursing.

12. Post-requirements: Specialized nursing care; Nursing in primary health care; Fundamentals of social assistance in healthcare.

Literature

13. Mainpage:

10. Адилова, Л. М. Мейіргердің манипуляциялық әрекетінің алгоритмдері: оқу құралы = Алгоритмы сестринских манипуляций : учебное пособие/- М. : "Литтерра", 2016. - 248 бет
11. Аканов А. А. Population health and public health of the Republic of Kazakhstan.- 2nd edition. Эверо, оқулық 2014

12. Syzdykova, K. Sh.Syzdykova K. Sh., Ryskulova A. R., Tulebaev Zh. S. [Management in healthcare: a textbook]. - Almaty: IP Publishing House "Aknur", 2015. - 236 p.
13. Нурманова, М.Ш. т.б.Мейірбике ісі негіздері: Оқу құралы. / М.Ш. Нурманова, Ж.Т. Матакова, Э.Т. Бейскулова. - 2-ші басылым - Қарағанды: АҚНҰР, 2019. - 250б. <http://rmebrk.kz/>

1.Department: Morphophysiology.

2.Level of training: bachelor

3.Specialty: 6B10104 – «Nursing»

4.Course: 1

5.Name of elective discipline: «Anatomy, physiology and pathology»

6.Number of credits: 2

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 – Safe nursing care patient education oriented.

13.Literature

on anatomy:

in Russian:

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"

3. Level of preparation (bachelor / internship / magistracy / residency)

4. Specialty: "Nursing"

5. Course: 2

6. Name of elective discipline: "General hygiene"

7. Number of credits - 5

8. Purpose: the formation of hygienic thinking necessary for the medical worker in future professional activities.

9. Tasks:

- teach how to apply hygienic knowledge for the prevention of diseases, preservation and strengthening of health in healthy people;

- teach to apply hygienic knowledge and skills to improve hygienic literacy of the population.

9. Justification of the choice of discipline: General hygiene is one of the fundamental disciplines of basic medical education. Teaching theoretical and practical courses aimed at studying the fundamental principles of public health. The discipline reflects the patterns of influence of environmental factors on the human body and public health in order to substantiate hygienic standards, health regulations, and measures, the implementation of which will ensure the preservation and strengthening of people's health.

10. Learning outcomes (competencies):

Knowledge	Skills and abilities	Personal and professional
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(cognitive sphere)	(psychomotor sphere)	competencies (relationships)
<ul style="list-style-type: none"> • knows the hygienic value of air. Measures for the prevention of diseases associated with the impact on the human body of physical properties, natural chemical and biological composition and air pollution; • knows the role of water factor and soil in the occurrence and spread of infectious and non-infectious diseases and hygienic measures for their prevention; • knows the hygienic basics of the rational nutrition of various groups of the population, methods for assessing the nutritional value • knows the hygienic value of basic foods. Food poisoning and their prevention; • knows the hygienic characteristics of the most common harmful factors of the labor process and the working environment in industrial plants. Preventive and health measures at work; • knows the hygienic requirements for hospitals; • knows the hygienic basis for the prevention of nosocomial infections. 	<ul style="list-style-type: none"> • interprets the results of the air quality study; <ul style="list-style-type: none"> • assesses the role of water factor in the development of infectious and non-communicable diseases and take measures for their prevention; • assesses the organization and nutritional value; • assesses the risk of exposure to occupational hazards on the human body; • evaluates the working conditions and the sanitary condition of the work premises; • assesses the physical development of children and adolescents; • evaluates the sanitary and epidemiological regime of hospitals; • implement measures to prevent nosocomial infections; • makes a menu-layouts of dishes according to diets. 	<ul style="list-style-type: none"> - perceive new ideas; - demonstrate relevant communication skills in the field of hygienic science; - observe the principles of medical ethics when dealing with the public; - master teamwork and leadership skills.

11. Prerequisites: medical biology.

12. Post requisites: occupational health and safety.

13. Literature:

1. V.I. Arkhangelsky. Hygiene and human ecology [: studies. for honey colleges and colleges - M.: GEOTAR - Media, 2013.
2. Hygiene: a textbook / ed. U. I. Kenesariyev. - Almaty, 2009.
3. Kicha DI General hygiene. Guide to laboratory work: studies. allowance. -M .: GEOTAR - Media, 2009

4. Hygiene: a textbook / ed. G. I. Rumyantseva. -2 ed., Pererab. and additional .. -M .: GEOTAR - Media, 2008.
5. Bolshakov AM General hygiene: studies. allowance. -M., 2006.

1. Department: "Hygiene and epidemiology"

2. Level of preparation (bachelor / internship / magistracy / residency)

3. Specialty: "Nursing"

4. Course: 2

5. Name of elective discipline: "Environment and Health"

6. Number of credits - 5

7. Purpose: the formation of ideas about the relationship of environmental factors and human health, methods for assessing this effect and organizing activities to reduce adverse interaction.

8. Tasks:

- familiarize students with the general laws of the relationships of organisms and their communities with the environment in natural conditions;
- to teach students to determine the specific role of man in biospheric processes and its interrelations in the system "society-nature";
- to give an idea of the consequences of human impact on the environment and human health;
- to acquaint with the basic principles and methods of environmental protection and environmental management;
- teach to assess the state of the quality of environmental objects and highlight the possible role of anthropogenic effects on public health;
- to learn how to use their knowledge to increase literacy of the population, to promote environmental protection measures and environmental management.

9. The rationale for the choice of discipline: modern civilization is under threat and requires the solution of a number of global environmental problems arising from anthropogenic influences. When using natural resources, a person has a certain negative impact on the environment. In this case, not only the quality of environmental objects, but also the conditions of human life and his health change. In this regard, environmental education should be necessary in the development of the professional activity of the public health organizer.

10. Learning outcomes (competencies):

Knowledge (cognitive sphere)	Skills and abilities (psychomotor sphere)	Personal and professional competencies (relationships)
<ul style="list-style-type: none"> - definition of the concept of the environment; - anthropogenic role of environmental factors, their effects on the body; -populations, their role in the processes of evolution, natural selection and adaptations; - structure of the biosphere, environment-forming properties and functions of living matter in the biosphere; 	<ul style="list-style-type: none"> - use the applied aspects of environmental protection in their future profession; - apply knowledge of the interaction of environmental factors and their impact on public health in their professional activities; - to identify anthropogenic factors that may affect the environment and take into account the patterns of biological 	<ul style="list-style-type: none"> - owns the skills of public speaking with the presentation of their own judgments in the field of environmental protection and rational use of natural resources - correctly defend your point of view; - propose new solutions on environmental protection and

<p>-basic properties of the biosphere, the value of the cycles of substances;</p> <p>-evolution of the biosphere. The fundamental importance of the teachings of V. I. Vernadsky on the biosphere and the noosphere;</p> <p>- anthropogenic effects of air pollutants on human health and living conditions;</p> <p>-the effect of pollution of the hydrosphere on public health;</p> <p>- anthropogenic impact on the lithosphere, the impact on public health.</p> <p>-natural and artificial biogeochemical provinces and the impact on public health;</p> <p>-ecological problems of the modern city and rural areas and peculiarities of public health;</p> <p>- criteria for assessing the state of the environment;</p> <p>-problems of environmental protection and rational nature management;</p> <p>-KK legislation in the field of environmental protection;</p> <p>-the normalization of the quality of the environment;</p> <p>- environmental engineering issues;</p> <p>- aspects of international cooperation in the field of</p>	<p>accumulation of pollutants in food chains;</p> <p>-conscious of the human biosphere functions;</p> <p>-use knowledge of the laws of interaction between the organism and the environment, the functioning of populations;</p> <p>- evaluate the quality of environmental objects and highlight the possible influence of anthropogenic factors on the state of the environment and public health;</p> <p>-use knowledge to develop measures for the prevention of diseases, increasing literacy of the population, promoting environmental protection measures and environmental management.</p>	<p>rational use of natural resources</p> <p>- able to work in a team;</p>
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environmental protection.		
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11. Prerequisites: anatomy, physiology.

12. Postrequisites: biostatistics, clinical pharmacology.

13. Literature

main:

1. Kenesariiev U.I., Zhakashov N.Zh. ecology and public health: a textbook for medical universities and colleges. Almaty: Evro, 2011.
2. Novikov, Yu.V. Ecology, the Environment and Man: studies. allowance.-3rd ed., Correction and additional .. - M: FAIR-Press, 2005.
3. Bekmagambetova Zh.D. Radiation-environmental aspects of public safety. Tutorial. - Almaty, 2002. - 304 p.
4. Arkhangelsky V.I. Human Hygiene and Ecology: M: GEOTAR - Media, 2013.

additional:

1. Environmental Protection: a compilation of regulatory legal acts. - Almaty: Lawyer, 2006. - 216-218 p.
2. The Ecological Code of the Republic of Kazakhstan: - Almaty: YURIST, 2007. - 172 p.
3. Tulebaev R.K., Slazhneva T.I., Kenesariiev U.I., Belonog A.A., Korchevsky A.A. Hygienic risk assessment in industrial regions of the Republic of Kazakhstan. - Almaty: Iskander, 2004. - 374 p.
4. Krymskaya I.G. Hygiene and fundamentals of human ecology: studies. Manual –Rostov N / D: Phoenix, 2007
5. General and medical ecology, explanatory medical dictionary. / Edited by U.I.Kenesariiev, N.ZH.Zhakashova. Authors Albekov A.S., Tokmoldaeva Zh.K. Albekov S.S. - Almaty, 2007. - 144 page.

1. Department: “Hygiene and epidemiology”

2. Level of preparation (bachelor / internship / magistracy / residency)

3. Specialty: “Nursing”

4. Course: 4

5. Name of elective discipline: “Hygiene and labor protection”

6. Number of credits - 5

7. Purpose: Formation of students' knowledge of the basic legislative, regulatory and technical acts on labor protection, labor safety system, as well as the study of new approaches to the most important problems related to the operation of medical equipment in health care, occupational morbidity, industrial injuries and t .d to create healthy and safe working conditions.

8. Tasks:

- teach the basic principles of state policy in the field of occupational safety and health;
- teach the basics of labor protection;
- teach methods of identifying hazards, assess occupational risks and the organization of work according to their health management;
- to teach the solution of practical issues of preserving the life, health and working ability of employees;
- teach how to maintain the health and safety management system in medical institutions

9. Justification of the choice of discipline: The academic discipline contains systematized legislative, regulatory and scientific principles of state health policy on occupational safety and health, providing for the coordination of professional activity in the application of uniform regulatory requirements to ensure healthy and safe working conditions for workers, institutions and organizations of various forms property and economic activities.

10. Learning outcomes (competencies):

Knowledge (cognitive sphere)	Skills and abilities (psychomotor sphere)	Personal and professional competencies (relationships)
<p>He knows the basic principles of state policy in the field of safety and labor protection.</p> <p>Knows the basic conditions and organization of the labor process in health care organizations.</p> <p>Knows the main factors of the working environment and their harmful effects on the health of workers in medical institutions and preventive measures to reduce them.</p> <p>He is knowledgeable in the basics of occupational safety and health, including the mode and nature of the work of a health worker.</p> <p>He knows the basic methods of hazard identification and occupational risk assessment in health care organizations.</p> <p>Knows the methods for determining and evaluating compliance with the requirements of standards for safety and labor protection workplaces in medical institutions.</p>	<p>Applies knowledge to assess the production activities of medical organizations on the state of health and injuries of workers.</p> <p>Applies the ability to identify violations of laws and regulations in the production activities of medical organizations in matters of safety and labor protection.</p> <p>Applies methods of determining and assessing occupational risk according to the state of the labor protection conditions of employees of medical enterprises and organizations.</p> <p>Applies knowledge of mechanisms of interaction with state bodies of control and supervision in the field of safety and labor protection.</p>	<p>He formulates, analyzes, logically and convincingly solves problems of an industrial nature and processes in various types of professional and social activities, in particular in matters of preserving the health and ability to work of health care workers.</p>

11. Prerequisites: physiology, anatomy.

12. Post requisites: graduate subjects.

13. Literature

main:

1. Chelnokov, A.A., Yushchenko, L.F., Labor Protection / A.A. Chelnokov, L.F. Yushchenko. Minsk: Higher School, 2009. 460 p.
2. M.S. Boss. Life Safety. Textbook. - Dubna, 2007.
3. A.A. Razdorozhnyi. Labor protection and industrial safety. Teaching manual. - Moscow. "Exam", 2007.
4. R.O. Zhilisbaeva, S.V. Khromtsov. Occupational health and safety at enterprises: Textbook .- Karaganda, 2014.- 252 b.
5. Goncharov, V.A. occupational Safety and Health. Workshop / V.A.Goncharov. Mn .: BSEU, 2003. 350s.

additional:

1. Post. Government The Republic of Kazakhstan dated September 23, 2014 No. 1005 "On some issues of the Ministry of Health and Social Development".
2. Interstate standard GOST 12.0.230-2007 SSBT. Labor protection management systems. General requirements.
3. ST RK OHSAS 18001: 2008 "Management systems in the field of occupational safety and health." Requirements.

4. Guidelines for the implementation of the standard ST RK OHSAS 18001: 2008.
5. Guidelines for ILO-SUOT 2001 labor protection management systems (ILO-JSH 2001).
6. ST RK 12.0.003-2010 SSBT. The system of management of labor protection in the organization. General requirements for the development, application, evaluation and perfection.
7. ST RK 12.0.004-2010 SSBT. The management system of labor protection in small enterprises. Requirements and recommendations for application.