

Catalog of elective disciplines for the 2022-2023 academic year

1. Department: Chemical disciplines

2. Level of preparation: bachelor's degree

3. Specialty: 6B10101 - General medicine, 6B10102 - Pediatrics, 6B10103 - Dentistry 4.

Course: 1

5. Name of the elective discipline: Chemistry

6. Number of credits: 3

7. Purpose: The purpose of the discipline is to form a holistic physicochemical, natural science approach to the study of the human body and its environment in students, as well as to substantiate the chemical and physicochemical aspects of the most important biochemical processes and various types of equilibria occurring in a living organism. Formation of a student - dentist of systemic knowledge about the basic physical and chemical laws of the course of biochemical processes (normal and pathological) at the molecular and cellular levels; about the structure and mechanisms of functioning of biologically active compounds; the formation of the natural scientific thinking of specialists in the medical dental profile, as well as the competence and professionally significant personality traits.

8. Tasks

- to form an understanding of equilibria in aqueous solutions of strong and weak electrolytes;
- to teach to apply physical and chemical laws to the description of biochemical processes in the body;
- to give an understanding of the basic principles of qualitative and quantitative analysis;
- to teach the use of chemical and physicochemical methods of analysis;
- to study the most important laws of electrochemistry that allow predicting corrosion resistance and optimizing the search for new structural dental materials;
- to form the concept of the relationship between the chemical composition, structure, properties and biological activity of substances;

9. Rationale for the choice of discipline

It is well known that in modern conditions the key task of higher education is the fundamental nature of education. Chemistry is a fundamental science and a powerful tool for research and knowledge of processes in living systems. Therefore, students of medical specialties should master well the basic ideas, laws and methods of this science. The program is supposed to consider the basics of the most important topics of the course of inorganic, analytical and physical chemistry. The discipline "Chemistry" prepares a theoretical basis for the development of some sections of biochemistry, molecular biology, physiology, pharmacology, hygiene and provides a broader involvement of the scientific approach and the latest research methods, gleaned from the fundamental sciences, in the study of biomedical, clinical disciplines. The task of profiling the course is an in-depth study of such topics as the composition of bone tissue, the composition of saliva and its mineralizing function, the processes occurring in the oral cavity. The knowledge gained by students during the passage of the topics "Phase equilibria", "Corrosion of metals and alloys", "Surface phenomena. Adsorption" are the physicochemical basis for the subsequent study of orthopedic and therapeutic dentistry. An important task of optimizing higher medical education is the expansion of interdisciplinary connections and the integration of fundamental, biomedical and clinical disciplines.

10. Outcomes of learning

	Knowledge (cognitive domain)	Skills and experiences (psychomotor sphere)	Personal and professional competencies (relationships)
	Demonstrates knowledge and understanding: - chemical processes (main types of reactions) in the	- uses calculation formulas (mass fraction, molar concentration, molar concentration equivalent, molar concentration, molar	- formulates the general theoretical foundations of chemistry for the application of the acquired knowledge, skills and abilities in their

<p>body, obeying the general laws and laws of chemistry;</p> <ul style="list-style-type: none"> - general energy and kinetic patterns of chemical processes; - the possibility of using titrimetric analysis to determine the quantitative content of substances in the systems under study, including biological fluids; - possible methods for preparing solutions, their quantitative characteristics; - classification, properties and application in medicine of the main classes of organic compounds. 	<p>fraction, titer) to determine the quantitative content of substances in a solution, including biological fluids; - prepares the solution by the dilution method;</p> <ul style="list-style-type: none"> - uses a certain set of chemical utensils, reagents, basic instruments and methods of physicochemical measurements used in medicine; - complies with the rules of labor protection and safety measures, has the skills of safe work in a chemical laboratory, knows how to provide first aid. 	<p>subsequent professional activities. - analyzes, systematizes information on the laws and experimental research in the field of chemistry, using computer technology and an information database of medical sources. - informs and explains the observed patterns in the field of chemistry on the issues of their application in medicine;</p>
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11. Prerequisites: disciplines of secondary general education: chemistry, biology, physics and mathematics.

12. Post requisites: medical biochemistry, morphology and physiology.

13. Literature In Kazakh language:

Main:

1. Сейтембетов, Т. С. Химия: оқулық / Т. С. Сейтембетов. - Алматы : Эверо, 2010.
2. Ә.Қ. Патсаев, С.А. Шитыбаев, Қ.Н. Дауренбеков. Бейорганикалық және физколлоидтық химия: оқулық/– Алматы: Эверо, 2011. -392б.
3. Ә.Қ. Патсаев, Т.С.Сейтембетов, С.А. Шитыбаев, Қ.Н. Дауренбеков. Биоорганикалық химия: оқулық/– Алматы: Эверо, 2012. -449 б.
4. Патсаев Ә.Қ., Дәуренбеков Қ.Н. Биоорганикалық химия пәнінен тәжірибелік-зертханалық сабақтарына қолданба: оқу құралы. Алматы, Эверо, 2012.-324б.
5. Патсаев Ә.Қ. Бейорганикалық және физколлоидтық химия пәнінен тәжірибелік-зертханалық сабақтарына қолданба: оқу құралы. Алматы, Эверо, 2013.-316б.
6. Л.М. Түгелбаева, Р.Г. Рысқалиева, Р.К. Ашкеева. Жалпы химия 2013 ж. 6. Тюкавкина Н.А., Бауков Ю.И., Зурабян С.Э., қазақ тіліне аударған ж/е жауапты редакторы С.Т.Сейтембетов. Биоорганикалық химия: оқулық / – М : ГЭОТАР – Медиа, 2014. – 400 б.
7. Веренцова Л.Г., Нечепуренко Е.В., Батырбаева А.Ә., Карлова Э.К. Бейорганикалық коллоидты және физикалық химия (студенттердің өзіндік жұмысына арналған оқу құралы) - Алматы, Эверо, 2014. -212 б.
8. Дәуренбеков Қ.Н. Органикалық химия: оқулық 1,2том, III: Әлем. 2016, 1т.- 500б., 2т.- 432б.
9. Қуатбеков Ә.М., Патсаев Ә.Қ., Бақтыбаев Ө.Б. Биоорганикалық химия практикумы: оқу құралы. Алматы, Эверо, 2013.-593б.

Additional:

1. Нұрсейітов Ш.Ш., Баймағанбетов Қ.Б. Бейорганикалық химия. Оқу құралы – Алматы: Эверо, 2014. -188 б.
2. Құлажанов Қ.С., Сулейменова М.Ш., Қ.И.Иманбеков Бейорганикалық химия Алматы: Дәуір, 2011. – 256 б.
3. Патсаев Ә.Қ., Туребекова Г.А. Физколлоидтық химия пәнінен зертханалық-тәжірибелік сабақтарының материалдары: оқу-әдістемелік құралы. Алматы, Эверо, 2014.-96б.

4. Патсаев Ә.К. Химия пәні бойынша тестілері. I-бөлім. Бейорганикалық, физколлоидтық химия пәні бойынша тестілері. II-бөлім. Биоорганикалық химия пәні бойынша тестілер : тестілер. - Шымкент : Б. ж., 2010.

5. Химия пәнінен электронды оқу құралы [Электронный ресурс] : медициналық колледждерге арналған оқу құралы. - Түркістан : ОҚО, 2012.

6. Усманова, М. Б. Жалпы химия [Электронный ресурс] : оқу құралы. - Электрон. текстовые дан. (19,1 МБ). - Гскемен : "Мультимедия зертханасы", 2007. - эл. опт. диск (CD-ROM).

Literature In Russian language:

Main:

1. Глинка, Н. Л. Общая химия. Т.1: учеб. пособие для вузов - Алматы : Эверо, 2014
2. Глинка, Н. Л. Общая химия. т. 2 : учеб. пособие для вузов - Алматы : Эверо, 2014
3. Глинка, Н. Л. Общая химия. Т. 3. : учеб. пособие для вузов - Алматы : Эверо, 2014
4. Глинка, Н. Л. Общая химия. т. 4 : учеб. пособие для вузов. - Алматы : Эверо, 2014
5. Жолнин А. В. Общая химия: учебник / А. В. Жолнин ; под ред. В. А. Попкова.- М. : ГЭОТАР - Медиа, 2012
6. Попков В. А. Общая химия : учебник. –М.: ГЭОТАР – Медиа, 2009.

Additional:

1. Патсаев, А. К. Тесты по дисциплине "химия". Ч. 1. Тесты по неорганической, физколлоидной химии. Ч. 2. Тесты по биоорганической химии : тесты . - Шымкент : Б. и., 2010
2. 1000 тестов по общей химии для студентов медицинских вузов / Т. И. Литвинова[и др.]. - 2-е изд., испр. и доп. - Ростов н/Д : Феникс, 2007
3. Глинка Н. Л. Задачи и упражнения по общей химии : М.: Интергал-Пресс, 2007.
4. Бабков, А. В. Химия: учебник для мед. училищ и колледжей. - М. : ГЭОТАР - Медиа, 2015. - 352 с. -
5. Жолнин, А. В. Общая химия [Электронный ресурс] : учебник / А. В. Жолнин. - Электрон. текстовые дан. (40,9МБ). - М. : ГЭОТАР - Медиа, 2017. - эл. опт. диск
6. Попков, В. А. Жалпы химия [Электронный ресурс] : оқулық Электрон. текстовые дан. (54.1МБ). - М. : ГЭОТАР - Медиа, 2014. - 992 б. С

Literature In English language:

1. Glinka, N. L. General chemistry. Volum 1. : manual for graduate students / N. L. Glinka, S. S. Babkina. - 27th ed. - Almaty : "Evero" , 2017. - 232 p.
2. Glinka, N. L. General chemistry. Volume 2.: manual for graduate students / N. L. Glinka, S. S. Babkina. - 27th ed. - Almaty : "Evero" , 2017. - 176 p.
3. Glinka, N. L. General chemistry. Volum 3.: manual for graduate students / N. L. Glinka, S. S. Babkina. - 27th ed. - Almaty : "Evero" , 2017. - 248 p.
4. Glinka, N. L. General chemistry. Volum 4.: manual for graduate students / N. L. Glinka, S. S. Babkina. - 27 th ed. - Almaty : "Evero" , 2017. - 176 p.
5. Nazarbekova, S. P. Chemistry: textbook / S. P. Nazarbekova, A. Tukibayeva, U. Nazarbek. - Almaty : Association of hiigher educational institutions of Kazakhstan, 2016. - 304 p.
6. Shokybayev, Sh. A. Teaching methods on chemistry: textbook / Sh. A. Shokybayev, Z. O. Onerbayeva, G. U. Ilyassova. - Almaty : [s. n.], 2016. - 271 p.
7. Manapov, N. T. Computer chemistry: textbook / N. T. Manapov. - Almaty : Association of hiigher educational institutions of Kazakhstan, 2016. - 312 p.

1. **Department:** Medical Biophysics and Information Technology
2. **Baccalaureate**
3. **Specialty:** «Stomatology»
4. **Course:** 1
5. **Number of credits:** 4

6. Discipline physics: «Biophysics»

7. Purpose: The purpose of studying the course "Biophysics" is to master the main laws of nature in the field of mechanics and molecular physics, electricity and magnetism, optics, and as well as acquaintance with their use in spectroscopy, physiology, medicine and technology(chemical technologies). Mastering the discipline helps students achieve the level of basic knowledge of the basics of physics.

8.Tasks: Make students aware of the basic laws of physics and the conditions for their correct application, with basic methods and instruments for measuring physical quantities, with methods for processing and analyzing the results of the experiment, with computer methods for processing experimental results, to give the student an idea of the limits of the applicability of physical models and hypotheses; to teach the student skills in solving physical problems and evaluating the order of physical quantities.

9. Content of the discipline Mechanics, mechanical oscillations of waves, mechanical properties of liquid and solid bodies, diffuse processes in gases, thermodynamics, electrostatic field, electric current., magnetic field, optics, light effect on matter, quantum nature of light, thermal radiation of bodies, basic physics of atomic nucleus and elementary particles, biological membranes, permeability of living cells, biopotentials, electrical conductivity of biological structures, elements of quantum biophysics, luminescence, lasers.

10. Justification for the choice of discipline:The Biophysics Course is a basic subject necessary for the study of chemical and specialized disciplines, which are taught in parallel with this subject and in subsequent courses. The study of discipline is closely related to such disciplines as mathematics, physical and colloidal chemistry, inorganic, organic, analytical, pharmaceutical chemistry, chemical technology, as well as physiology. Therefore, in the process of studying the Physics course, it is necessary to state the fundamental foundations and the current state of physical knowledge with outputs to practical applications in the field of chemical technologies, the application of the studied principles and instruments based on them in medicine and pharmacy.

11. Learning outcomes (competencies):

Knowledge (cognitive sphere)	Skills and abilities (psychomotor sphere)	Personal and professional competences (relations)
The basic laws of modern physics, including the theoretical foundations of physical methods of studying matter; Characteristics of physical factors affecting the living organism; Principles of operation of physical devices used in pharmacy and pharmaceutical technology; Metrological requirements when working with physical equipment; Safety Rules for Physical Equipment	Correctly express physical ideas; Apply the laws of physics to analyze and solve specific physical problems; Use the main physical devices; Perform measurements to process the results and analyze them;	Knows the operating principles of physical devices used in pharmacy and pharmaceutical technology. Knows how to use basic physical devices, make measurements, Process the results and analyze them, knows the physical methods of research used in pharmacy to control the quality of medicines.

12. Prerequisites:**13. Post requisites:** physiology, molecular physics and genetics, biochemistry, pathological physiology.**14. Literature: main and supplementary****main:**

1. Crane K. S. Zamanui physics. 1-bolim: okulyk-Almaty: 2013
2. Crane K. S. Zamanui physics. 2-bolim: okulyk Almaty: 2014
3. Physics and biophysics.ruk. to practical classes: Moscow: GEOTAR-2013
4. Fedorova V. N. Fizika. - M.: GEOTAR-Media, 2013
5. Bizhigitov T. Zhalpy physics courses: okulyk-Almaty: Economics, 2013
6. Physics and biophysics: practicum: textbook. manual / V. F. Antonov [et al.]. - M.: GEOTAR-Media, 2013.
7. Remizov A. N. Meditsinskaya i biologicheskaya fizika: ucheb. for universities. - 9th ed., stereotype.. - M.: Bustard, 2017.

Supplementary:

1. Mardonov B.M. Design works for material collection: Odoobr. Learned. - Almaty: Evero, 2014. - 256 s.
2. Amerkhanova S.K. Methods of Physical and Chemical Analysis: Methodological Guidelines = Physicochemical Methods of Analysis: Laboratory manual on the discipline/Sh.K. Amerkhanova.- Almaty: Evero, 2016.

1. Department: "Department of History of Kazakhstan and Social and Social disciplines»**2. Level of training:** Bachelor's degree**3. Bilim bagdarlamalary:** "Dentistry"**4. Course:** 1**5. Name of elective discipline:** Fundamentals of Law and Economics**6. Number of credits :** 5 credits**7. Objective:** to form a system of knowledge about the economic and legal laws of the development of society and the problems of its effective functioning.**8. Tasks:**

- mastering the basics of the theory of state and law;
 - consideration of the principles and motives of human economic behavior in conditions of limited resources;
 - identification of the specifics of economic and legal relations in the Republic of Kazakhstan;
 - clarification of the functions and limits of the effectiveness of the market system, as well as the main forms of economic regulation;
 - disclosure of political and legal ways to improve Kazakhstan's state-legal mechanism;
 - determination of the specifics of the regulatory framework in the field of economics and law.
- 9. Содержание дисциплины:**

The study of the patterns of development of economic and legal relations that arise between market entities at the micro, macro, and mega levels, between the state and market entities, the state and societies, features and priorities of the socially - oriented model of the market economy in Kazakhstan. The system of law and legislation. The Law of the Republic of Kazakhstan "On the health of the people and the health care system". The legal status of pharmaceutical and medical workers, their social security. Market equilibrium. Competition in the medical services market. Development of entrepreneurship of medical services in Kazakhstan. The structure of the national economy. Moral and ethical responsibility for acts of corruption in various spheres. Kazakhstan's participation in global integration processes and international economic organizations. WorldHealthOrganization.

- **10. Justification of the choice of discipline:** This program is designed to provide students with the necessary knowledge, skills and abilities in the discipline, to achieve learning outcomes. In the context of distance learning, the Program is implemented through the automated information

system Platonus (hereinafter-AIS Platonus), Zoom, Webex, etc.. For the development of the discipline, the materials that are included in the "Task" module of the Platonus AIS are used.

– **11. Learning outcomes:**

- 1) demonstrate knowledge of the main theoretical views accumulated in the scientific heritage on legal and economic problems;
- 2) conduct research to identify state-legal and economic problems in the professional field and present the results for discussion;
- 3) Demonstrate basic economic and legal knowledge through special terminology in medical practice
- 4) apply and use the acquired knowledge in the field of economics and law in practical classes, professional activities
- 5) analyze the features of legal and economic processes in the context of their role in the modernization of Kazakhstan's society;
- 6) Knows the methods of scientific research and academic writing and applies them in the field of study:

knows and applies the methods of scientific research, develops ideas and develops critical thinking and skills in writing various written works, taking into account the requirements for the structure of the construction and layout of the text, the choice of the style of presentation (journalistic or scientific); is able to make references, quote, paraphrase, build arguments, structure the text, stylistically competently build sentences, correctly design literary sources.

10. Prerequisites: Modern history of Kazakhstan

11. Post-requirements: Philosophy

12. Literature:

In Russian:

Main:

- 1.Альжанова, А. Н. Основы права учеб. пособие / А. Н. Альжанова, К. К. Райханова. - ; Алматы : Эверо, 2014. - 134 с
2. Правоведение: учеб. пособие. - М. : ГЭОТАР - Медиа, 2013
3. Какимова М. Основы теории государства и права: учебник. 2010. - 256 с
4. Айдарханов М.Х. Основы экономической теории. Учебник. 2012.
- 5 . Липсиц, И. В. Основы экономики: учеб. для медицинских училищ и колледжей . - М. : ГЭОТАР - Медиа, 2010. - 336 с.+эл. опт. диск (CD-ROM) .
- 6 . Рахимжанова Н.И. Основы рыночной экономики: учебник. 2010. – 168 стр.
- 7 .Таскымбаева С. М., Каратаева Ф.М. Основы экономической теории: учеб.пособие / - Караганда: АҚНҰР, 2017.

Additional information:

- 1.Жанысбеков, М. А. Основы антикоррупционной культуры: учебно-методическое пособие / - Караганда: АҚНҰР, 2016. – 198
- 2.Шоу М.Н. Международное право = International LAW : т.2 учебник / М.Н. Шоу. - 8-е изд. - [б. м.] : Ұлттық аударма бюросы, 2019. - 716 стр.

Electronic resource:

1. Основы антикоррупционной культуры [Электронный ресурс] : учебное пособие / под ред. Б. С. Абдрасилова. - Электрон. текстовые дан. (702Мб). - Астана : Акад. Гос. упр. при Президенте РК, 2016. - 176 с
2. Экономическая теория (Электронный ресурс): Учебник. Под ред. И.Л.Николаева, 2011.
3. Липсиц И.В. Основы экономики (Электронный ресурс): учебник.-М.: Издательская группа «ГЭОТАР- Медиа», 2010
4. Маами К.А., Рогов И.И., Малиновский В.А. РЕСПУБЛИКА КАЗАХСТАН: хроника утверждения конституционализма. – Алматы: Қазақ университеті, 2019. – 728 с.

Electronic source databases:

<http://lib.ukma.kz>

- Electronic catalog

- for internal users <http://10.10.202.52>
- for external users <http://89.218.155.74>
- Republican Interuniversity Electronic Library <http://rmebrk.kz/>
- Electronic source of Legal Information " Law" <https://zan.kz>
- Scientific Electronic Library <https://elibrary.ru/>
- «Web of science» (Thomson Reuters)<http://apps.webofknowledge.com>
- «Science Direct» (Elsevier)<https://www.sciencedirect.com>
- «Scopus» (Elsevier)www.scopus.com
- The UMKD is posted on the educational portal ukma.kz
Electronic library "Student Consultant". Access link: <http://www.studmedlib.ru>, USERNAME
ibragim123, PASSWORD Libukma123

1. Department: "Department of History of Kazakhstan and Social and Social disciplines»

2. Level of training: Bachelor's degree

3. Bilim bagdarlamalary: "General Medicine", "Dentistry", "Pharmacy", "Pediatrics", " Nursing»

4. Course: 1,2

5. Name of elective discipline: Fundamentals of Law and Economics

6. Number of credits : 5 credits

7. Objective: to form a system of knowledge about the economic and legal laws of the development of society and the problems of its effective functioning.

8. Tasks:

- mastering the basics of the theory of state and law;
 - consideration of the principles and motives of human economic behavior in conditions of limited resources;
 - identification of the specifics of economic and legal relations in the Republic of Kazakhstan;
 - clarification of the functions and limits of the effectiveness of the market system, as well as the main forms of economic regulation;
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The study of the patterns of development of economic and legal relations that arise between market entities at the micro, macro, and mega levels, between the state and market entities, the state and societies, features and priorities of the socially - oriented model of the market economy in Kazakhstan. The system of law and legislation. The Law of the Republic of Kazakhstan "On the health of the people and the health care system". The legal status of pharmaceutical and medical workers, their social security. Market equilibrium. Competition in the medical services market. Development of entrepreneurship of medical services in Kazakhstan. The structure of the national economy. Moral and ethical responsibility for acts of corruption in various spheres. Kazakhstan's participation in global integration processes and international economic organizations. WorldHealthOrganization.

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- **11. Learning outcomes:**

- 1) demonstrate knowledge of the main theoretical views accumulated in the scientific heritage on legal and economic problems;
- 2) conduct research to identify state-legal and economic problems in the professional field and present the results for discussion;

- 3) Demonstrate basic economic and legal knowledge through special terminology in medical practice
- 4) apply and use the acquired knowledge in the field of economics and law in practical classes, professional activities
- 5) analyze the features of legal and economic processes in the context of their role in the modernization of Kazakhstan's society;
- 6) Knows the methods of scientific research and academic writing and applies them in the field of study:

knows and applies the methods of scientific research, develops ideas and develops critical thinking and skills in writing various written works, taking into account the requirements for the structure of the construction and layout of the text, the choice of the style of presentation (journalistic or scientific); is able to make references, quote, paraphrase, build arguments, structure the text, stylistically competently build sentences, correctly design literary sources.

10. Prerequisites: Modern history of Kazakhstan

11. Post-requirements: Philosophy

12. Literature:

In Russian:

Main:

1. Альжанова, А. Н. Основы права учеб. пособие / А. Н. Альжанова, К. К. Райханова. - ; Алматы : Эверо, 2014. - 134 с
2. Правоведение: учеб. пособие. - М. : ГЭОТАР - Медиа, 2013
3. Какимова М. Основы теории государства и права: учебник. 2010. - 256 с
4. Айдарханов М.Х. Основы экономической теории. Учебник. 2012.
- 5 . Липсиц, И. В. Основы экономики: учеб. для медицинских училищ и колледжей . - М. : ГЭОТАР - Медиа, 2010. - 336 с.+эл. опт. диск (CD-ROM) .
- 6 . Рахимжанова Н.И. Основы рыночной экономики: учебник. 2010. – 168 стр.
- 7 . Таскымбаева С. М., Каратаева Ф.М. Основы экономической теории: учеб. пособие / - Караганда: АҚНҰР, 2017.

Additional information:

1. Жанысбеков, М. А. Основы антикоррупционной культуры: учебно-методическое пособие / - Караганда: АҚНҰР, 2016. – 198
2. Шоу М.Н. Международное право = International LAW : т.2 учебник / М.Н. Шоу. - 8-е изд. - [б. м.] : Ұлттық аударма бюросы, 2019. - 716 стр.

Electronic resource:

1. Основы антикоррупционной культуры [Электронный ресурс] : учебное пособие / под ред. Б. С. Абдрасилова. - Электрон. текстовые дан. (702Мб). - Астана : Акад. Гос. упр. при Президенте РК, 2016. - 176 с
2. Экономическая теория (Электронный ресурс): Учебник. Под ред. И.Л. Николаева, 2011.
3. Липсиц И.В. Основы экономики (Электронный ресурс): учебник.-М.: Издательская группа «ГЭОТАР- Медиа», 2010
4. Маами К.А., Рогов И.И., Малиновский В.А. РЕСПУБЛИКА КАЗАХСТАН: хроника утверждения конституционализма. – Алматы: Қазақ университеті, 2019. – 728 с.

Electronic source databases:

<http://lib.ukma.kz>

- Electronic catalog
- for internal users <http://10.10.202.52>
- for external users <http://89.218.155.74>
- Republican Interuniversity Electronic Library <http://rmebrk.kz/>
- Electronic source of Legal Information" Law" <https://zan.kz>
- Scientific Electronic Library <https://elibrary.ru/>
- «Web of science» (Thomson Reuters)<http://apps.webofknowledge.com>
- «Science Direct» (Elsevier)<https://www.sciencedirect.com>

- «Scopus» (Elsevier) www.scopus.com
- The UMKD is posted on the educational portal ukma.kz
Electronic library "Student Consultant". Access link: <http://www.studmedlib.ru>, USERNAME ibragim123, PASSWORD Libukma123

1.Department: "Social health insurance and public health»

2.Bachelor's level

3.Specialty - "Dentistry»

4.Course – 2, term-3

5.The name of the elective course "Basics of public health»

6. Number of credits – 5/150

7. The purpose of the discipline: to Form students ' complex knowledge and skills necessary for effective work in the health care system, to lay the foundations of understanding of public health and health for further in-depth study of the most important sections of the discipline and the foundations of professional competence in the field of hospital management in health care.

8. Learning objective:

- familiarize with the main historical trends and competencies in the development of management;
- provide an understanding of "public health and health", as well as the main sections of their components;
- teach the basics of health assessment;
- become familiar with the basic concepts of management;
- to give an idea of the basics of the organization of medical and preventive care to the population;
- to study the theoretical foundations of health management;
- to form knowledge about the techniques and methods of modern management in health care;
- to impart skills of application of the gained knowledge in practical activity of managers of the enterprises, organizations, healthcare institutions.
- to give students an idea of the system of sanitary-statistical observation and the system of accounting documentation in health care facilities.
- to teach students the skills and abilities of professional activity of medical statistics in health care organizations.

9.Rationale for the choice of discipline:

Mastering the theoretical and practical foundations of management in health care is aimed at the need for a qualitatively new training for the management of health care organizations with the competence of the Manager, taking into account the peculiarities of the organization of the management process in health care.

In modern conditions, successful activity in the field of health care depends on the application of modern management achievements.

10.Learning outcomes (competencies)

Knowledge and understanding (to demonstrate knowledge and understanding in the field of study, including elements of the most advanced knowledge in this area):

Knows the main historical trends and competencies in the development of management. Knows the basic concepts of "management", as well as its main functions. Knows about the health of the population and the methods of health assessment. Knows about the basics of the organization of medical and preventive care to the population.

Applying knowledge and understanding (apply this knowledge and understanding at a professional level): He is able to assess the health indicators of the population in connection with socio-economic conditions; is Able to control the management system; is Able to make the right management decision; is Able to distinguish the definition of a leader from a Manager.

Formation of judgments (to formulate arguments and solve problems in the study area): Able to collect and calculate the basic indicators of public health; Able to manage personnel, to make decisions in conflict situations; Able to analyze the internal variables of changes in the organization; Able to contribute to the formation of the health organization.

Communication skills (communicate information, ideas, problems and solutions to both professionals and non-professionals):

Able to work in a team, make independent decisions in professional activities; Knows the ethical and deontological aspects of the medical staff; Able and ready to work and communicate; Knows the methods of effective communication, psychology for conflict management, stress and innovation in health care.

Learning skills or ability to learn (to collect and interpret information to form judgments based on social, ethical and scientific considerations): has the skills of a leader, a Manager. He has the skills of conducting sanitary and educational work among the population. He knows the methods of management in health care.

11. Prerequisites: communication skills, introduction to the specialty, biostatistics.

12. Post-requisites: public health, innovation management in health care, quality control of the health system.

13. Literature:

Basic:

1. Public health : textbook / A. A. Akanov [et al.]. - Approved and REC. Committee for control in the field of education and science. Ministry of education and science. - M. : "Litterra", 2017. - 496 p.
2. Syzdykova, K. S. health information Management study guide - Almaty : LLC Publishing house "ANR", 2015. - 236 s
3. Lisitsyn, Yu. p. Public health and health care : textbook / Yu. p. Lisitsyn, GE ulumbekova. - 3rd ed.].; Ministry of education and science of the Russian Federation. Rivers'. GOU VPO "the First state med. UN-t im. I. M. Sechenov". - Moscow : GEOTAR - Media, 2015. - 544 p.
4. Semenov, V. Yu. Health Economics : textbook / V. Yu. Semenov. - 2nd ed., pererab.; Rivers. Educational-methodical. 'ed. on honey. and pharmaceutical. image. University of Russia. - M. : MIA, 2014. - 1000 sec
5. Lisitsyn, Yu. p. Public health and health care: textbook / Yu. p. Lisitsyn, GE ulumbekova, M of education and science. - 3rd ed., pererab. I DOP ; REK. GOU

VPO "Mosk First. state honey. UN-t im. I. M. Sechenov". - Moscow : GEOTAR - Media, 2013. - 544 silt.

6. Management: textbook / State. UN-t UPR. ; ed. by M. L. Razu. - 3rd ed., erased. - M. : KNORUS, 2011. 480 PP.

7. Bielawa, R. Management and Densauyk staudy yamashiro. - Almaty : Evero, 2013

8. Bielawa, R. K. Management and Densauyk staudy yamashiro : ouly . - Almaty : JSC "ATB", 2011

9. Griffin, R. Management = Management : owly / R. Griffin ; As.til.AUD. G. A. Abdullina [Zhane T. B.]. - 12 - asylym. - Astana : Ulttyk audarma burasy, 2018. - 768 b. S. : sur.-(Rouhani gear).

10. Bledow, M. Schwa. Kogamdyk Densauyk and desaulty satou: owly / M. Schwa. Blelow ; R BM. - Almaty : R Geary excellent orinary audactiy, 2012. - 256 bet. S. AFR.

11. Bledow, M. Schwa. Kogamdyk Densauyk and desaulty satou: owly / M. Schwa. Blelow. - Almaty : Evero, 2015. - 244 Beth.

12. Mambekov, M. Densauyk satuday management excellent Ali - Almaty : Evero, 2014. - 348 Beth.-

13. Satybaldyuly, S. S. Marketing and management negadon: owly / S. S. Satybaldina, B. A. Baytanaev. - 2 bass. - Astana : Folio, 2011. - 320 bet. S. AFR.

14. Leontyev, I. A. Fundamentals of management and marketing : textbook / A. I. Leontiev. - 2nd ed. - Almaty : Folio, 2010. - 320 p.

15. Polunin, N. V. Public health and health care: textbook / N. Polunin, V. ; REC. Educational method. 'ed. on honey. and pharmaceutical. image. University of Russia. - M. : MIA, 2010. - 544 p.: Il.

Additional

1. Medik V. A. Public health and health care: workshop: proc. manual for honey. schools and colleges / V. A. Medik, V. I. Lisitsyn, A. V. Prokhorov, M of education and science of the Russian Federation. - ; Rivers'. GOU VPO "Mos. honey. Acad. they. I. M. Sechenov". - Moscow : GEOTAR - Media, 2014. - 144 p.: Il.

2. Rakhimbayev, A. B. Management : studies. manual / A. B. Rakhimbaev, A. K. Belgibaev. - Almaty : Zan and literature, 2009. - 164 p.

3. Icenova, B.). Management negadir (test tapermachine inay): excellent Ali / B. A. Icenova, .. B. Tmpdev, J. S. Slatova. - 2 bass. - Astana : Folio, 2011. - 96 Beth. S. AFR. -

4. Densauyk satuday management: dreck of toptHEMA / JS Tlebaev [W/W] is. - Almaty : AKNUR, 2016. - 258 Beth.

5. Zhakenova, B.). Management negadon: owly / B. A. Zhakenova, K. B. Tmpdev, L. M. Masatova. - 2 bass. - Astana : Folio, 2011. - 260 bet. S. AFR.

6. Thomson, S. Financig health care in the European Union. Challenges and policy responses : monograph : European Observatory on Health Systems and Policies, 2009. – Translation of the title: Health Financing in the European Union.

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1. DRS Kesan. Alandi Densaulyk satou PN boiynsha [Electronic resource] : DRS Kesan / No. 1 kogamdyk Densaulyk satou kafedراس. - Electron. text Dan. (208kb). - Shymkent : OMPA, 2016. - 16 Beth. S. AFR.
2. DRS Kesan. Alandi Densaulyk satou PN boiynsha [Electronic resource] : DRS Kesan / No. 1 kogamdyk Densaulyk satou kafedراس. - Electron. text Dan. (208kb). - Shymkent : OMPA, 2016. - 16 Beth. S. AFR.
3. Lisitsyn, Yu. p. Public health and health care [Electronic resource] : textbook / Yu. p. Lisitsyn, GE ulumbekova. - 3rd ed., pererab. I DOP. - Electron. text Dan. (43.1 MB). - Moscow : GEOTAR - Media, 2017. - el. wholesale. disc (CD-ROM).
4. Medik V. A. Public health and healthcare [Electronic resource] : textbook / V. A. Medik, V. K. Yuryev. - Electron. text Dan. (47.6 MB). - Moscow : GEOTAR - Media, 2013. - 608 p. al. wholesale. disc (CD-ROM) : II.
5. Gerchikova, I. N. Management [Electronic resource] : textbook / I. N. Gerchikova. - 4th ed., pererab. I DOP. - Electron. text Dan. (8,12 MB). - M. : YUNITI-DANA, 2011. - 508 p. al. wholesale. disc (CD-ROM).
6. Basics of management [Electronic resource] : electronic textbook / L. V. Plakhova [etc.]. - Electron. text Dan. (986 MB). - M. : KNORUS, 2010. - el. wholesale. disk