

Catalog of elective disciplines

- 1. Department:** "Social health insurance and public health»
- 2. Level of training:**Magistracy (**scientific and pedagogical direction**)
- 3. Specialization:** "Public health»
- 4. Course:** 1
- 5. Name of elective discipline:** " Information technology in public health»
- 6. Number of credits – 5/150**
- 7. Purpose:** Formation of the foundations of professional competencies and skills in the field of information management in the framework of the modern model of health of the Republic of Kazakhstan.
- Formation of students:** Generation and development of knowledge among undergraduates about information technology in general, and in public health. Expand skills and competence in the application of modern information technologies and systems in the healthcare sector
- 8. Tasks:**

train to use electronic services provided by "e-government"; train to use the regulatory framework of e-government; approach to patient care and treatment and empower professionals working in the organization to be responsible for quality.
- 9. Rationale for the choice of discipline:** The peculiarity of modern society is the continuous exchange of information. Complete, reliable, up-to-date information is a necessary condition for the successful functioning of any organization. The management process is primarily associated with information exchange between subjects and objects of management. Therefore, information support plays an important role in management. The development of information and communication technologies (ICT) and the global Internet have significantly improved the effectiveness of government activities. Today about 200 countries of the world create "electronic governments". The emergence of "electronic government" in the Republic of Kazakhstan is a practical mechanism of an open legal society, providing interactive services that require two-way communication between citizens and government agencies.
- 10. Learning outcomes (competencies):**
 - 1). Knowledge and understanding** (to demonstrate knowledge and understanding in the study area, including elements of the most advanced knowledge in this area):knows the possibilities of modern information technology to solve professional problems, the basics of the organization of medical care, the basics of health insurance, social insurance and social security, the main indicators of the various institutions of the health system, demonstrates knowledge and understanding in the study area, including elements of the most advanced knowledge in this area,
 - 2). Application of knowledge and understanding** (to apply this knowledge and understanding at the professional level): knows how to apply in his professional activities the legal framework and the law of the Republic of Kazakhstan "On Information"; knows how to use information and educational technologies; is able to use the capabilities of modern information technologies to solve professional problems; knows how to freely use various programs of a personal computer;
 - 3). Formation of judgments** (to formulate arguments and solve problems in the field of study): proves the possibilities of information and educational technologies, demonstrates to the audience the possibilities of modern information technologies for solving professional problems; shows skills in organizational technique; discusses and evaluates the concept of information security of the Republic of Kazakhstan, the concept of creating a unified health information system.
 - 4). Learning skills or ability to learn** (you can make the collection and interpretation of information to inform judgments taking into account social, ethical and nauch reasons): proves to the audience the possibilities of modern information technologies for solving professional problems; demonstrates his high level of knowledge about the state of information security of the Republic of Kazakhstan; distinguishes between the main directions and mechanisms for the implementation of the State program

5). Communication skills (to communicate information, ideas, problems and solutions to both professionals and non-professionals): Able to clearly state and explain to undergraduates, teachers, examiners their own and additional knowledge about information technologies in the field of health; Able to discuss and evaluate modern information and communication technologies in the field of public health development.

11. Prerequisites: undergraduate disciplines.

12. Post-requisites: doctoral disciplines

13. Literature

Basic:

DRS Kesan - Kogamdyk Densaulyk Saturday aparati, tekhnologiyalar PN boiynsha: DRS Kesan / kogamdyk Densaulyk satou - 2 kafedrasi. - Shymkent : OMPA, 2016. - 75 bet. S. AFR.

Development of methodical approaches to optimization of information support of specialists (doctors and pharmacists) - based on computer technology : methodical REC. / K. D. Shertaeva [and others]. - Astana - Shymkent : UKGM, 2008

Electronic resources

Development of methodical approaches to optimization of information support of specialists (doctors and pharmacists) - based on computer technology [Electronic resource] : methodical REC. / K. D. Shertaeva [and others]. - Electron. text Dan. (220 KB). - Astana - Shymkent , 2008

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

2. Level of training: Master's degree (scientific and pedagogical direction)

3. Specialty: "Public health"

4. Course: 1 course, Semester-2

5. Name of elective discipline: Organizational behavior

6. Number of credits – 5/150

7. Purpose: Generation and development of knowledge among undergraduates about information technologies in general and in public health. Expand skills and competence in the application of modern information technologies and systems in the field of healthcare.

8. Tasks:

- Applies the regulatory framework and the Law of the Republic of Kazakhstan "On Information" in its professional activity, uses information and educational technologies

- Applies the capabilities of modern information technologies to solve professional tasks

- Freely uses various personal computer programs

9. Justification of the choice of discipline: Problems of the introduction of ICT in medicine. Security of medical information. Formation of a database of medical data using MS Access. User interface. The concept of creating a unified health information system. The concept of information security of the Republic of Kazakhstan. The main directions and mechanisms of implementation of the State program

for the formation of "electronic government". Information technologies - concept, tasks, structure. Regulatory and legal framework. The Law of the Republic of Kazakhstan "On Information".

10. Learning outcomes (competencies):

1) Knowledge and understanding of the learning outcomes of the OP, with which the RO disciplines are associated

2) Application of knowledge and understanding (apply this knowledge and understanding at a professional level): Proves to the audience the possibilities of modern information technologies for solving professional tasks

Demonstrates its high level of knowledge about the state of information security of the Republic of Kazakhstan

3) Formation of judgments (formulate arguments and solve problems in the studied area): Discusses and evaluates the concept of information security of the Republic of Kazakhstan, the concept of creating a unified health information system

4) Teaching skills or learning abilities Expounds and explains to undergraduates, teachers, examiners their own and additional knowledge about information technologies in the field of healthcare, is able to discuss and evaluate modern information and communication technologies in the field of public health development.

5) Communication skills (to communicate information, ideas, problems and solutions, both to specialists and non-specialists): Shows skills in organizational technique

Prerequisites: Organization, healthcare.

11. Post-requirements: public health.

12. Literature:

Main:

1. Бөлешов, М. Ә. Қоғамдық денсаулық және денсаулықты сақтау [Мәтін] : оқулық / М. Ә. Бөлешов. - Алматы : Эверо, 2015. - 244 бет с.Жақсыбергенов, А. М. Биомедициналық әдеп: оқулық "Оңтүстік Полиграфия" Баспа үйі ЖШС-і, 2014. - 196 бет.-300экз.

2. Лисицын, Ю. П. Общественное здоровье и здравоохранение: учебник / Ю. П. Лисицын, Г. Э. Улумбекова. - 3-е изд., перераб. и доп. ; Мин-во образования и науки РФ. Рек. ГОУ ВПО "Первый гос. мед.ун-т им. И. М. Сеченова". - М.: ГЭОТАР- Медиа, 2015. - 544 с

3.Nurpeisova T.B. Information and communication technology : Textbook / T. B. Nurpeisova, I. N. Kaidash. - [б. м.] : Bastau, 2017. - 480 p.

Перевод заглавия: Информационно-коммуникационные технологии

Additional:

1. Аканов, А. А. Общественное здравоохранение в Казахстане: концепция, проблемы и перспективы: монография / А. А. Аканов, В. Н. Девятко, М. К. Кульжанов. - Алматы : Эверо, 2012. - 102 с.

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

2. Level of training: Master's degree (scientific and pedagogical direction)

3. Specialization: "Public health"

4. Course: 1

5. Name of elective discipline: "Health problems of the socially unprotected population"

6. Number of credits: 7/210

7. Purpose: Formation of practical skills and abilities of undergraduates to provide this kind of assistance to the population, as well as creating prerequisites for further independent work of students in the field of social activity under consideration.

8. Objectives: to train to use electronic services provided by "electronic government"; to train to use the regulatory framework of electronic government; approach to patient care and treatment and to enable professionals working in the organization to be responsible for quality.

9. Justification of the choice of discipline: The peculiarity of modern society is the continuous exchange of information. Complete, reliable, up-to-date information is a prerequisite for the successful functioning of any organization. The management process is primarily related to the information exchange between the subjects and objects of management. Therefore, information support plays an important role in management activities. The development of information and communication technologies (ICT) and the global Internet can significantly improve the efficiency of government activities. Today, about 200 countries around the world are creating "electronic governments". The emergence of "electronic government" in the Republic of Kazakhstan is a practical mechanism of an open legal society, the provision of interactive services that require two-way communications between citizens and government agencies.

10. Learning outcomes (competencies): **1). Knowledge and understanding** (demonstrate knowledge and understanding in the field being studied, including elements of the most advanced knowledge in this field): he knows the possibilities of modern information technologies for solving professional tasks, the basics of organizing medical care for the population, the basics of medical insurance, social insurance and social security, the main performance indicators of various health care institutions, demonstrates knowledge and understanding in the field under study, including elements of the most advanced knowledge in this field,

2). Application of knowledge and understanding (to apply this knowledge and understanding at a professional level): is able to apply in his professional activity the regulatory framework and the Law of the Republic of Kazakhstan "On Information"; is able to use information and educational technologies; is able to use the capabilities of modern information technologies to solve professional problems; is able to freely use various personal training programs computer;

3). Formation of judgments (formulate arguments and solve problems in the studied area): proves the possibilities of information and educational technologies, demonstrates to the audience the possibilities of modern information technologies for solving professional tasks; shows skills in organizational techniques; discusses and evaluates the concept of information security of the Republic of Kazakhstan, the concept of creating a unified health information system.

4). Learning skills or learning abilities (to collect and interpret information to form judgments taking into account social, ethical and scientific considerations): proves to the audience the possibilities of modern information technologies for solving professional tasks; demonstrates its high level of knowledge about the state of information security of the Republic of Kazakhstan; distinguishes between the main directions and mechanisms of implementation of the State Program

5). Communicative abilities is able to clearly state and explain to undergraduates, teachers, examiners their own and additional knowledge about information technologies in the field of healthcare; Is able to discuss and evaluate modern information and communication technologies in the field of public health development.

11. Prerequisites: Bachelor's degree disciplines.

12. Post-requirements: disciplines of doctoral studies.

13. Literature

Main:

Решетников, А. В. Медико-социологический мониторинг [Электронный ресурс] : руководство / А. В. Решетников. – Электрон.текстовые дан. (43.8Мб). - М. : ГЭОТАР - Медиа, 2017. - эл.

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

Туркина, В. Р. Основы права [Электронный ресурс] : курс лекций-презентаций: учеб.пособие / В. Р. Туркина. - Электрон. текстовые дан. (20,2 Мб). - М. : Изд. группа "ГЭОТАР-Медиа", 2010. - эл. опт.диск (CD-ROM).

Тургамбаева А.К. Роль общественного здравоохранения в организации рационального питания населения. Учебное пособие.. 2019/<https://aknurpress.kz/login>

Electronic resources:

Жанысбеков, М. А. Основы антикоррупционной культуры:

учебно-методическое пособие / М. А. Жанысбеков, Н. А.

Абдурахманов, А. С. Еркинбекова. - Караганда : АҚНҰР, 2016. – 198 с

Медик, В. А. Общественное здоровье и здравоохранение:

рук. к практическим занятиям: учеб. пособие / В. А. Медик, В. И. Лисицын, М. С. Токмачев ; М-во образования и науки РФ; ФГУ "Федеральный ин-т развития образования". - ; Рек. ГОУ ВПО "Моск. мед.акад. им. И. М. Сеченова". - М. : ГЭОТАР – Медиа, 2012. - 400 с. : ил.

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

2. Level of training: Master's degree (scientific and pedagogical direction)

3. Specialization: "Public health"

4. Course: 1

5. Name of elective discipline: "Statistical analysis in the healthcare system"

6. Number of credits – 5/150

7. Purpose: Mastering the methodology of planning and conducting scientific research using statistical methods. Familiarization with modern statistical software packages for data analysis. Understanding and critical evaluation of messages in medical journals, monographs and reports. This is especially true for the field of public health and healthcare based on population studies.

8. Tasks: Mastering the knowledge of statistical data analysis. The ability to formulate the goals and objectives of the study. Planning, organizing and conducting research. Formation of a representative sample for the study and evaluation of public health and healthcare. Creation of an electronic database of scientific research. Choosing the appropriate method of statistical data processing using computer programs. The use of graphical and tabular ways of presenting statistical observation materials. Interpretation of the results and formulation of conclusions arising from the results of the study. Application of statistical knowledge for analysis and decision-making in the field of public health and healthcare.

9. Justification of the choice of discipline: The discipline provides the master's student with the necessary base for statistical processing of mass data in scientific research in the relevant professional field. The knowledge and skills acquired by undergraduates during the study of this course are necessary when preparing and writing a dissertation in terms of statistical processing of mass data.

10. 1). Application of knowledge and understanding (to apply this knowledge and understanding at a professional level): Selects a statistical criterion. Analyzes the collected material using statistical criteria. Uses statistical software packages for data processing.

2). Formation of judgments (formulate arguments and solve problems in the studied area): Develops a plan and program of statistical research. Forms a representative sample for the study and evaluation of public health and healthcare. Creates an electronic database of scientific research. Uses graphical and tabular ways of presenting statistical observation materials.

3). Learning skills or learning abilities (to collect and interpret information to form judgments taking into account social, ethical and scientific considerations): Selects the appropriate type of statistical data analysis. Interprets the results and formulates conclusions arising from the results of the study. Evaluates errors and errors of statistical research. Applies statistical methods in the study of the health status of the population and the organization of medical care.

4). Communication skills Uses statistical methods to analyze demographic processes. Applies statistical knowledge for analysis and decision-making in the field of public health and healthcare. Implements various forms of statistical analysis for the report of medical organizations.

Prerequisites: Bachelor's degree disciplines.

11. Post-requirements: disciplines of doctoral studies.

12. Literature

Main:

Basic literature:

1. БөлешовМ.Ә.Қоғамдықденсаулықсақтау: : оқулық . - Алматы : Эверо, 2015. – 220экз.
2. Бөлешов, М. Ә. Медициналық статистика : оқулық . - Алматы : Эверо, 2015. – 100экз.

3. Лисицын, Ю. П. Общественное здоровье и здравоохранение : учебник / - М. : ГЭОТАР - Медиа, 2015. - 544 с.10экз.

Electronic resources

1. Медик, В. А. Общественное здоровье и здравоохранение [Электронный ресурс] : учебник для мед. училищ и колледжей / В. А. Медик., В. К. Юрьев. - 3-е изд., перераб. и доп. - Электрон.текстовые дан. (37,2 МБ). - М. : Издательская группа "ГЭОТАР- Медиа", 2011. - 288 с. Эл.бэкз.

2. Лисицын, Ю. П. Общественное здоровье и здравоохранение [Электронный ресурс] : учебник / Ю. П. Лисицын, Г. Э. Улумбекова. - 3-е изд., перераб. и доп. - Электрон.текстовые дан. (43,1Мб). - М. : ГЭОТАР - Медиа, 2017. - эл.10экз.

1. Department: “History of Kazakhstan and social disciplines”

2. Level of training master's degree

3. Educational program: “Public Health”, Medicine, Nursing, Pharmaceutical Ecology, Pharmacy.

4. Direction: scientific and pedagogical, 2 years.

5. Course-1

6. Name of the elective discipline - “Pedagogy in higher education”

7. Number of credits (at least 5 credits) - 5 credits

8. Goal: Formation of theoretical and practical knowledge, skills and abilities of undergraduates in the implementation of teaching activities in the field of medical education.

9. Contents of the discipline (30-50 words) – General fundamentals of pedagogy: methodology, history of development. Higher education in the Republic of Kazakhstan: integration into the global educational space. The meaning and structure of pedagogical activity. Personality, professional abilities and qualifications of the teacher. Organization of the educational process in higher education based on credit technology. Theory of scientific activity of higher education. The meaning and directions of educational work in higher education. Management of the education quality system. Pedagogy in medicine.

10. Objectives - directing undergraduates to become familiar with the theory and technology of their future profession;

11. Justification for choosing a discipline - This program is designed to provide undergraduates with the necessary knowledge, qualifications and skills in the subject to achieve learning outcomes.

12. Learning outcomes (4-6 learning outcomes according to Dublin descriptors):

1LO-Analyzes the connection between pedagogical conclusions and the world-historical development of mankind.

2 LO - Analyzes current problems of education and upbringing and through them analyzes the laws of personality formation.

3 LO – uses educational technologies in the learning process and presents its own opinion to the scientific community and society on ways to improve it.

4 LO - Ability for self-analysis and self-improvement, pedagogical competence in teaching medical subjects.

13. Prerequisites - no

14. Postrequisites - teaching practice

15. Literature:

1. Педагогика в медицине. Ч. 1. [Текст] : учебное пособие / под ред. Н. В. Кудрявой. - 3-е изд., испр. и доп. - Алматы : CyberSmith, 2017. - 192 с.

2. Педагогика в медицине. Ч. 2. [Текст] : учебное пособие / под ред. Н. В. Кудрявой. - 3-е изд., испр. и доп. - Алматы : CyberSmith, 2017. - 244 с.

3. Психология и педагогика для студентов медицинских вузов. 1 ч. : учебник / под ред. Н. В. Кудрявой. - Алматы : Эверо, 2017. - 196 с.

4. Психология и педагогика для студентов медицинских вузов. 2 ч.: учебник / под ред. Н. В. Кудрявой. - Алматы : Эверо, 2017. – 192
5. Жұмабекова, Ф. Н. Педагогикалық мамандыққа кіріспе [Мәтін] : оқулық / Ф. Н. Жұмабекова. - ; Л. Н. Гумилев атындағы Еуразия ұлттық ун- тінің ғыл. кеңесі ұсынған. - Алматы : Эверо, 2014. - 274 бет.
6. Мирза, Н. В. Кәсіби-педагогикалық қарым-қатынас [Мәтін] : оқу құралы / Н. В. Мирза, Р. К. Маженова ; ҚР БҒМ; Акад. Е. А. Бөкетов атындағы ҚарМУ. - Алматы : Эверо, 2014. - 160 бет.
7. Шунк, Дейл Х. Оқыту теориясы: білім беру көкжиегі = Learning theories an educational perspective : оқулық / Дейл Х. Шунк ; Қаз. тіл ауд. Б. М. Мизамхан [және т.б.]. - 7-ші бас. - Алматы : Ұлттық аударма бюросы, 2019. - 608 бет.
8. Pedagogy [Текст] : textbook / К. К. Zhampeisova [and etc.]. - Almaty : Association of higher educational institutions of Kazakhstan, 2016. - 390 p.

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

2. Level of training: Master's degree (scientific and pedagogical direction)

3. Specialization: "Public health"

4. Course: 1

5. Name of elective discipline: "Statistical analysis in the healthcare system"

6. Number of credits – 5/150

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8. Tasks: Mastering the knowledge of statistical data analysis. The ability to formulate the goals and objectives of the study. Planning, organizing and conducting research. Formation of a representative sample for the study and evaluation of public health and healthcare. Creation of an electronic database of scientific research. Choosing the appropriate method of statistical data processing using computer programs. The use of graphical and tabular ways of presenting statistical observation materials. Interpretation of the results and formulation of conclusions arising from the results of the study. Application of statistical knowledge for analysis and decision-making in the field of public health and healthcare.

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3). Learning skills or learning abilities (to collect and interpret information to form judgments taking into account social, ethical and scientific considerations): Selects the appropriate type of statistical data analysis. Interprets the results and formulates conclusions arising from the results of the study. Evaluates errors and errors of statistical research. Applies statistical methods in the study of the health status of the population and the organization of medical care.

4). Communication skills Uses statistical methods to analyze demographic processes. Applies statistical knowledge for analysis and decision-making in the field of public health and healthcare. Implements various forms of statistical analysis for the report of medical organizations.

Prerequisites: Bachelor's degree disciplines.

11. Post-requirements: disciplines of doctoral studies.

12. Literature

Main:

Basic literature:

2. БөлешовМ.Ә.Қоғамдықденсаулықсақтау: : оқулық . - Алматы : Эверо, 2015. – 220экз.
2. Бөлешов, М. Ә. Медициналық статистика : оқулық . - Алматы : Эверо, 2015. – 100экз.
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2. Лисицын, Ю. П. Общественное здоровье и здравоохранение [Электронный ресурс] : учебник / Ю. П. Лисицын, Г. Э. Улумбекова. - 3-е изд., перераб. и доп. - Электрон.текстовые дан. (43,1МБ). - М. : ГЭОТАР - Медиа, 2017. - эл.10экз.

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

2. Level of training: Master's degree (scientific and pedagogical direction)

3. Specialization: "Public health"

4. Course: 1

5. Name of elective discipline: "Health problems of the socially unprotected population"

6. Number of credits: 7/210

7. Purpose: Formation of practical skills and abilities of undergraduates to provide this kind of assistance to the population, as well as creating prerequisites for further independent work of students in the field of social activity under consideration.

8. Objectives: to train to use electronic services provided by "electronic government"; to train to use the regulatory framework of electronic government; approach to patient care and treatment and to enable professionals working in the organization to be responsible for quality.

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10. Learning outcomes (competencies): 1). Knowledge and understanding (demonstrate knowledge and understanding in the field being studied, including elements of the most advanced knowledge in this field):he knows the possibilities of modern information technologies for solving professional tasks, the basics of organizing medical care for the population, the basics of medical insurance, social insurance and social security, the main performance indicators of various health care institutions, demonstrates knowledge and understanding in the field under study, including elements of the most advanced knowledge in this field,

2). Application of knowledge and understanding (to apply this knowledge and understanding at a professional level): is able to apply in his professional activity the regulatory framework and the Law of the Republic of Kazakhstan "On Information"; is able to use information and educational technologies; is able to use the capabilities of modern information technologies to solve professional problems; is able to freely use various personal training programs computer;

3). Formation of judgments (formulate arguments and solve problems in the studied area): proves the possibilities of information and educational technologies, demonstrates to the audience the possibilities of modern information technologies for solving professional tasks; shows skills in organizational techniques; discusses and evaluates the concept of information security of the Republic of Kazakhstan, the concept of creating a unified health information system.

4). Learning skills or learning abilities (to collect and interpret information to form judgments taking into account social, ethical and scientific considerations): proves to the audience the possibilities of modern information technologies for solving professional tasks; demonstrates its high level of knowledge about the state of information security of the Republic of Kazakhstan; distinguishes between the main directions and mechanisms of implementation of the State Program

5). Communicative abilities is able to clearly state and explain to undergraduates, teachers, examiners their own and additional knowledge about information technologies in the field of healthcare; Is able to discuss and evaluate modern information and communication technologies in the field of public health development.

11. Prerequisites: Bachelor's degree disciplines.

12. Post-requirements: disciplines of doctoral studies.

13. Literature

Main:

Решетников, А. В. Медико-социологический мониторинг [Электронный ресурс] : руководство / А. В. Решетников. – Электрон.текстовые дан. (43.8Мб). - М. : ГЭОТАР - Медиа, 2017. - эл.

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

Туркина, В. Р. Основы права [Электронный ресурс] : курс лекций-презентаций: учеб.пособие / В. Р. Туркина. - Электрон. текстовые дан. (20,2 Мб). - М. : Изд. группа "ГЭОТАР-Медиа", 2010. - эл. опт.диск (CD-ROM).

Тургамбаева А.К. Роль общественного здравоохранения в организации рационального питания населения. Учебное пособие.. 2019/<https://aknurpress.kz/login>

Electronic resources:

Жанысбеков, М. А. Основы антикоррупционной культуры: учебно-методическое пособие / М. А. Жанысбеков, Н. А. Абдурахманов, А. С. Еркинбекова. - Караганда : АҚНҰР, 2016. – 198 с

Медик, В. А. Общественное здоровье и здравоохранение: рук. к практическим занятиям: учеб. пособие / В. А. Медик, В. И. Лисицын, М. С. Токмачев ; М-во образования и науки РФ; ФГУ "Федеральный ин-т развития образования". - ; Рек. ГОУ ВПО "Моск. мед.акад. им. И. М. Сеченова". - М. : ГЭОТАР – Медиа, 2012. - 400 с. : ил.

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

2. Level of training: Magistracy (scientific and pedagogical direction)

3. Specialization: "Public health»

4. Course: 1

5. Name of elective discipline: " Information technology in public health»

6. Number of credits – 5/150

7. Purpose: Formation of the foundations of professional competencies and skills in the field of information management in the framework of the modern model of health of the Republic of Kazakhstan.

Formation of students: Generation and development of knowledge among undergraduates about information technology in general, and in public health. Expand skills and competence in the application of modern information technologies and systems in the healthcare sector

8. Tasks:

train to use electronic services provided by "e-government"; train to use the regulatory framework of e-government; approach to patient care and treatment and empower professionals working in the organization to be responsible for quality.

9. Rationale for the choice of discipline: The peculiarity of modern society is the continuous exchange of information. Complete, reliable, up-to-date information is a necessary condition for the successful functioning of any organization. The management process is primarily associated with information exchange between subjects and objects of management. Therefore, information support plays an important role in management. The development of information and communication technologies (ICT) and the global Internet have significantly improved the effectiveness of government activities. Today about 200 countries of the world create "electronic governments". The emergence of "electronic government" in the Republic of Kazakhstan is a practical mechanism of an open legal society, providing interactive services that require two-way communication between citizens and government agencies.

10. Learning outcomes (competencies):

1). Knowledge and understanding (to demonstrate knowledge and understanding in the study area, including elements of the most advanced knowledge in this area): knows the possibilities of modern information technology to solve professional problems, the basics of the organization of medical care, the basics of health insurance, social insurance and social security, the main indicators of the various institutions of the health system, demonstrates knowledge and understanding in the study area, including elements of the most advanced knowledge in this area,

2). Application of knowledge and understanding (to apply this knowledge and understanding at the professional level): knows how to apply in his professional activities the legal framework and the law of the Republic of Kazakhstan "On Information"; knows how to use information and educational technologies; is able to use the capabilities of modern information technologies to solve professional problems; knows how to freely use various programs of a personal computer;

3). Formation of judgments (to formulate arguments and solve problems in the field of study): proves the possibilities of information and educational technologies, demonstrates to the audience the possibilities of modern information technologies for solving professional problems; shows skills in organizational technique; discusses and evaluates the concept of information security of the Republic of Kazakhstan, the concept of creating a unified health information system.

4). Learning skills or ability to learn (you can make the collection and interpretation of information to inform judgments taking into account social, ethical and nauch reasons): proves to the audience the possibilities of modern information technologies for solving professional problems; demonstrates his high level of knowledge about the state of information security of the Republic of Kazakhstan; distinguishes between the main directions and mechanisms for the implementation of the State program

5). Communication skills (to communicate information, ideas, problems and solutions to both professionals and non-professionals): Able to clearly state and explain to undergraduates, teachers, examiners their own and additional knowledge about information technologies in the field of health; Able to discuss and evaluate modern information and communication technologies in the field of public health development.

11. Prerequisites: undergraduate disciplines.

12. Post-requisites: doctoral disciplines

13. Literature

Basic:

DRS Kesan - Kogamyk Densaulyk Saturday aparati, tekhnologiyalar PN boiynsha: DRS Kesan / kogamyk Densaulyk satou - 2 kafedresi. - Shymkent : OMPA, 2016. - 75 bet. S. AFR.

Development of methodical approaches to optimization of information support of specialists (doctors and pharmacists) - based on computer technology : methodical REC. / K. D. Shertaeva [and others]. - Astana - Shymkent : UKGM, 2008

Electronic resources

Development of methodical approaches to optimization of information support of specialists (doctors and pharmacists) - based on computer technology [Electronic resource] : methodical REC. / K. D. Shertaeva [and others]. - Electron. text Dan. (220 KB). - Astana - Shymkent , 2008

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

2. Level of training: Master's degree (scientific and pedagogical direction)

3. Specialty: "Public health"

4. Course: 1 course, Semester-2

5. Name of elective discipline: Organizational behavior

6. Number of credits – 5/150

7. Purpose: Generation and development of knowledge among undergraduates about information technologies in general and in public health. Expand skills and competence in the application of modern information technologies and systems in the field of healthcare.

8. Tasks:

- Applies the regulatory framework and the Law of the Republic of Kazakhstan "On Information" in its professional activity, uses information and educational technologies

- Applies the capabilities of modern information technologies to solve professional tasks

- Freely uses various personal computer programs

9. Justification of the choice of discipline: Problems of the introduction of ICT in medicine. Security of medical information. Formation of a database of medical data using MS Access. User interface. The concept of creating a unified health information system. The concept of information security of the Republic of Kazakhstan. The main directions and mechanisms of implementation of the State program

for the formation of "electronic government". Information technologies - concept, tasks, structure. Regulatory and legal framework. The Law of the Republic of Kazakhstan "On Information".

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10. Learning outcomes (competencies):

1) Knowledge and understanding of the learning outcomes of the OP, with which the RO disciplines are associated

2) Application of knowledge and understanding (apply this knowledge and understanding at a professional level): Proves to the audience the possibilities of modern information technologies for solving professional tasks

Demonstrates its high level of knowledge about the state of information security of the Republic of Kazakhstan

3) Formation of judgments (formulate arguments and solve problems in the studied area): Discusses and evaluates the concept of information security of the Republic of Kazakhstan, the concept of creating a unified health information system

4) Teaching skills or learning abilities Expounds and explains to undergraduates, teachers, examiners their own and additional knowledge about information technologies in the field of healthcare, is able to discuss and evaluate modern information and communication technologies in the field of public health development.

5) Communication skills (to communicate information, ideas, problems and solutions, both to specialists and non-specialists): Shows skills in organizational technique

Prerequisites: Organization, healthcare.

11. Post-requirements: public health.

12. Literature:

Main:

2. Бөлешов, М. Ә. Қоғамдық денсаулық және денсаулықты сақтау [Мәтін] : оқулық / М. Ә. Бөлешов. - Алматы : Эверо, 2015. - 244 бет с.Жақсыбергенов, А. М. Биомедициналық әдеп: оқулық "Оңтүстік Полиграфия" Баспа үйі ЖШС-і, 2014. - 196 бет.-300экз.

2. Лисицын, Ю. П. Общественное здоровье и здравоохранение: учебник / Ю. П. Лисицын, Г. Э. Улумбекова. - 3-е изд., перераб. и доп. ; Мин-во образования и науки РФ. Рек. ГОУ ВПО "Первый гос. мед.ун-т им. И. М. Сеченова". - М.: ГЭОТАР- Медиа, 2015. - 544 с

3.Nurpeisova T.B. Information and communication technology : Textbook / T. B. Nurpeisova, I. N. Kaidash. - [б. м.] : Bastau, 2017. - 480 p.

Перевод заглавия: Информационно-коммуникационные технологии

Additional:

2. Аканов, А. А. Общественное здравоохранение в Казахстане: концепция, проблемы и перспективы: монография / А. А. Аканов, В. Н. Девятко, М. К. Кульжанов. - Алматы : Эверо, 2012. - 102 с.

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

2. Level of training: Master's degree (scientific and pedagogical direction)

3. Specialization: "Public health"

4. Course: 2

5. Name of elective discipline: "Introduction to the science of Public Health"

6. Number of credits – 8/240

Purpose: Formation of knowledge about the methodology of scientific research, preparation for conducting scientific research, selection of a suitable research design, the ability to choose the appropriate statistical analysis of research data processing, correct presentation of research results, writing research articles and critical evaluation of scientific papers.

7. Objectives: to study the main objectives of the methodology of science is to provide a heuristic form of cognition with a system of strictly verified and tested principles, methods, rules and norms.

8. Justification of the choice of discipline: Conduct scientific research: literary review, collect material, meta-analysis. Able to determine the financial costs of the planned study

9. 10. Learning outcomes (competencies): 1). Knowledge and understanding (demonstrate knowledge and understanding in the field being studied, including elements of the most advanced knowledge in this field): Is able to implement the results of scientific research in practical healthcare (implementation acts, patents for inventions)

2). Application of knowledge and understanding (to apply this knowledge and understanding at a professional level): is able to apply in his professional activity the regulatory framework and the Law of the Republic of Kazakhstan "On Information"; is able to use information and educational technologies; is able to use the capabilities of modern information technologies to solve professional problems; is able to freely use various personal training programs computer

3). Formation of judgments (formulate arguments and solve problems in the studied area): He is able to identify and assess possible risks and potential benefits of scientific research, Proves the ability to use scientific information for practical purposes of the health system; Applies standard questionnaires and develops his own.

4). Learning skills or learning abilities (to collect and interpret information to form judgments taking into account social, ethical and scientific considerations): Is able to identify and assess possible risks and potential benefits of scientific research Proves the ability to use scientific information for practical purposes of the health system; Applies standard questionnaires and develops its own.

5). Communicative abilities is able to clearly state and explain to undergraduates, teachers, examiners their own and additional knowledge about information technologies in the field of healthcare; Is able to discuss and evaluate modern information and communication technologies in the field of public health development.

11. Prerequisites: Bachelor's degree disciplines.

12. Post-requirements: disciplines of doctoral studies.

13. Literature

Main:

1. Лисицын, Ю. П. Общественное здоровье и здравоохранение: учебник / Ю. П. Лисицын, Г. Э. Улумбекова. - 3-е изд., перераб. и доп.; Мин-во образования и науки РФ. Рек. ГОУ ВПО "Первый гос. мед. ун-т им. И. М. Сеченова". - М.: ГЭОТАР - Медиа, 2015. - 544 с.

2. Весельская, Н. Р. Финансовое право Республики Казахстан: учебник / Н. Р. Весельская., М. Т. Какимжанов; М-во образования и науки РК. - Алматы: [б. и.], 2015. - 312 с

3. Альжанова, А. Н. Основы права: учеб. пособие / А. Н. Альжанова, К. К. Райханова. -; Рек. Ученым советом и Науч.-метод. советом КарГМУ. - Алматы: Эверо, 2014. - 134 с.

3. Левчук, И. П. Безопасность жизнедеятельности: учеб. пособие для мед. училищ и колледжей / И. П. Левчук, Е. К. Хандогин ; М - во образования и науки РФ. -; Рек. ГОУ ВПО "Первый Московский мед. ун - т им. И. М. Сеченова". - М.: ГЭОТАР - Медиа, 2014. - 144 с.

6. Медик, В. А. Общественное здоровье и здравоохранение: учебник / В. А. Медик, В. К. Юрьев. - 2-е изд., испр. и доп.; Рек. ГОУ ВПО "Моск. мед. акад. им. И. М. Сеченова". - М.: ГЭОТАР - Медиа, 2014. - 608 с.

Electronic resources

Разработка методических подходов к оптимизации информационного обеспечения специалистов (врачей и фармацевтов) - на основе компьютерных технологий [Электронный ресурс]: методические рек. / К. Д. Шертаева [и др.]. - Электрон. текстовые дан. (220 Кб). - Астана - Шымкент , 2008

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

2. Level of training: Master's degree (scientific and pedagogical direction)

3. Specialization: "Public health"

4. Course: 2

5. Name of elective discipline: "Management and prevention of health"

6. Number of credits – 5/150

7. Objective: To master theoretical and professional practical skills for the introduction of effective preventive medical technologies and services into the real practice of practical healthcare institutions (centers for medical prevention, departments and offices of medical prevention-preventive institutions), necessary to meet the population's need for preventive care for major chronic non-communicable diseases with common risk factors, based on modern scientific knowledge, principles of evidence-based medicine and organizational models of the activities of these health institutions.

8. Objectives: To acquire knowledge about modern problems of prevention and methods of improving public health.

To know the medical and social significance of infectious and non-communicable diseases in the Republic of Kazakhstan and preventive measures.

To determine their place and role in morbidity, disability and mortality of the population.

To study the organization and implementation of preventive measures to reduce their level.

To study the algorithms of preventive activities at the PHC level.

9. Justification of the choice of discipline: The peculiarity of modern society is the continuous exchange of information. Complete, reliable, up-to-date information is a prerequisite for the successful functioning of any organization. The management process is primarily related to the information exchange between the subjects and objects of management. Therefore, information support plays an important role in management activities. The development of information and communication technologies (ICT) and the global Internet can significantly improve the efficiency of government activities. Today, about 200 countries around the world are creating "electronic governments". The emergence of "electronic government" in the Republic of Kazakhstan is a practical mechanism of an open legal society, the provision of interactive services that require two-way communications between citizens and government agencies.

10. Learning outcomes (competencies):

1). Knowledge and understanding (demonstrate knowledge and understanding in the field being studied, including elements of the most advanced knowledge in this field): he knows the possibilities of modern information technologies for solving professional tasks, the basics of organizing medical care for the population, the basics of medical insurance, social insurance and social security, the main performance indicators of various health care institutions, demonstrates knowledge and understanding in the field under study, including elements of the most advanced knowledge in this field,

2). Application of knowledge and understanding (to apply this knowledge and understanding at a professional level): is able to apply in his professional activity the regulatory framework and the Law of the Republic of Kazakhstan "On Information"; is able to use information and educational technologies; is able to use the capabilities of modern information technologies to solve professional problems; is able to freely use various personal training programs computer;

3). Formation of judgments (formulate arguments and solve problems in the studied area): proves the possibilities of information and educational technologies, demonstrates to the audience the possibilities of modern information technologies for solving professional tasks; shows skills in organizational techniques; discusses and evaluates the concept of information security of the Republic of Kazakhstan, the concept of creating a unified health information system.

4). Learning skills or learning abilities (to collect and interpret information to form judgments taking into account social, ethical and scientific considerations): proves to the audience the possibilities of modern information technologies for solving professional tasks; demonstrates its high level of knowledge about the state of information security of the Republic of Kazakhstan; distinguishes between the main directions and mechanisms of implementation of the State Program

5). Communicative abilities is able to clearly state and explain to undergraduates, teachers, examiners their own and additional knowledge about information technologies in the field of healthcare; Is able to discuss and evaluate modern information and communication technologies in the field of public health development.

11. Prerequisites: Bachelor's degree disciplines.

12. Post-requirements: disciplines of doctoral studies.

13. Literature

Main:

1. Общественное здоровье и здравоохранение: учебник/ В.А. Медик, В.К. Юрьев.-3-изд., перераб.и доп.- Москва, «ГОЭТАР-Медиа», 2010 г.-288с.

2. Общественное здоровье и здравоохранение. Н. В. Полунина. Медицинское информационное агентство ,2010 г.-544с.

3. Приказ МЗКР от 17 февраля 2012 г. № 89 « Алгоритмы действий медицинских работников первичной медико-санитарной помощи по пропаганде здорового образа жизни, профилактике факторов риска, основных социально-значимых заболеваний».

4. Стратегический план развития Национального центра проблем туберкулеза РК на 2015-2017 годы.

5. Артюхов И.П., Гаас Е.Н., Модестов А.А., Профилактика сердечно-сосудистых заболеваний на уровне первичной медико-санитарной помощи.

6. Листанов М.И., Бреусов А.В. Перспективы мотивации Профилактической деятельности персонала медицинской организации //Проблемы управления здравоохранением. – 2009. – № 5. – С. 80-85.

7. Лавров А.Н., Зорина Т.В. Оценка эффективности деятельности кабинета профилактики сердечно-сосудистых заболеваний. Экономика здравоохранения. – 2009. – № 5-6. –С. 49-52.

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

2. Level of training: Master's degree (scientific and pedagogical direction)

3. Specialization: "Public health"

4. Course: 2

5. Name of elective discipline: "Introduction to the science of Public Health"

6. Number of credits – 8/240

Purpose: Formation of knowledge about the methodology of scientific research, preparation for conducting scientific research, selection of a suitable research design, the ability to choose the appropriate statistical analysis of research data processing, correct presentation of research results, writing research articles and critical evaluation of scientific papers.

7. Objectives: to study the main objectives of the methodology of science is to provide a heuristic form of cognition with a system of strictly verified and tested principles, methods, rules and norms.

8. Justification of the choice of discipline: Conduct scientific research: literary review, collect material, meta-analysis. Able to determine the financial costs of the planned study

9. 10. Learning outcomes (competencies): 1. Knowledge and understanding (demonstrate knowledge and understanding in the field being studied, including elements of the most advanced knowledge in this field): Is able to implement the results of scientific research in practical healthcare (implementation acts, patents for inventions)

2). Application of knowledge and understanding (to apply this knowledge and understanding at a professional level): is able to apply in his professional activity the regulatory framework and the Law of the Republic of Kazakhstan "On Information"; is able to use information and educational technologies; is able to use the capabilities of modern information technologies to solve professional problems; is able to freely use various personal training programs computer

3). Formation of judgments (formulate arguments and solve problems in the studied area): He is able to identify and assess possible risks and potential benefits of scientific research, Proves the ability to use scientific information for practical purposes of the health system; Applies standard questionnaires and develops his own.

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11. Prerequisites: Bachelor's degree disciplines.

12. Post-requirements: disciplines of doctoral studies.

13. Literature

Main:

1. Лисицын, Ю. П. Общественное здоровье и здравоохранение: учебник / Ю. П. Лисицын, Г. Э. Улумбекова. - 3-е изд., перераб. и доп.; Мин-во образования и науки РФ. Рек. ГОУ ВПО "Первый гос. мед. ун-т им. И. М. Сеченова". - М.: ГЭОТАР - Медиа, 2015. - 544 с.

2. Весельская, Н. Р. Финансовое право Республики Казахстан: учебник / Н. Р. Весельская., М. Т. Какимжанов; М-во образования и науки РК. - Алматы: [б. и.], 2015. - 312 с

3. Альжанова, А. Н. Основы права: учеб. пособие / А. Н. Альжанова, К. К. Райханова. -; Рек. Ученым советом и Науч.-метод. советом КарГМУ. - Алматы: Эверо, 2014. - 134 с.
3. Левчук, И. П. Безопасность жизнедеятельности: учеб. пособие для мед. училищ и колледжей / И. П. Левчук, Е. К. Хандогин ; М - во образования и науки РФ. -; Рек. ГОУ ВПО "Первый Московский мед. ун - т им. И. М. Сеченова". - М.: ГЭОТАР - Медиа, 2014. - 144 с.
6. Медик, В. А. Общественное здоровье и здравоохранение: учебник / В. А. Медик, В. К. Юрьев. - 2-е изд., испр. и доп.; Рек. ГОУ ВПО "Моск. мед. акад. им. И. М. Сеченова". - М.: ГЭОТАР - Медиа, 2014. - 608 с.

Electronic resources

Разработка методических подходов к оптимизации информационного обеспечения специалистов (врачей и фармацевтов) - на основе компьютерных технологий [Электронный ресурс]: методические рек. / К. Д. Шертаева [и др.]. - Электрон. текстовые дан. (220 Кб). - Астана - Шымкент , 2008

- 1. Department:** "Social health insurance and public health"
- 2. Level of training:** Master's degree (scientific and pedagogical direction)
- 3. Specialization:** "Public health"
- 4. Course:** 2
- 5. Name of elective discipline:** "Management and prevention of health"
- 6. Number of credits** – 5/150

7. Objective: To master theoretical and professional practical skills for the introduction of effective preventive medical technologies and services into the real practice of practical healthcare institutions (centers for medical prevention, departments and offices of medical prevention-preventive institutions), necessary to meet the population's need for preventive care for major chronic non-communicable diseases with common risk factors, based on modern scientific knowledge, principles of evidence-based medicine and organizational models of the activities of these health institutions.

8. Objectives: To acquire knowledge about modern problems of prevention and methods of improving public health.

To know the medical and social significance of infectious and non-communicable diseases in the Republic of Kazakhstan and preventive measures.

To determine their place and role in morbidity, disability and mortality of the population.

To study the organization and implementation of preventive measures to reduce their level.

To study the algorithms of preventive activities at the PHC level.

9. Justification of the choice of discipline: The peculiarity of modern society is the continuous exchange of information. Complete, reliable, up-to-date information is a prerequisite for the successful functioning of any organization. The management process is primarily related to the information exchange between the subjects and objects of management. Therefore, information support plays an important role in management activities. The development of information and communication technologies (ICT) and the global Internet can significantly improve the efficiency of government activities. Today, about 200 countries around the world are creating "electronic governments". The emergence of "electronic government" in the Republic of Kazakhstan is a practical mechanism of an open legal society, the provision of interactive services that require two-way communications between citizens and government agencies.

10. Learning outcomes (competencies): 1. Knowledge and understanding (demonstrate knowledge and understanding in the field being studied, including elements of the most advanced knowledge in this field):he knows the possibilities of modern information technologies for solving professional tasks, the basics of organizing medical care for the population, the basics of medical insurance, social insurance and social security, the main performance indicators of various health care institutions, demonstrates knowledge and understanding in the field under study, including elements of the most advanced knowledge in this field,

2). Application of knowledge and understanding (to apply this knowledge and understanding at a professional level): is able to apply in his professional activity the regulatory framework and the Law of the Republic of Kazakhstan "On Information"; is able to use information and educational technologies; is able to use the capabilities of modern information technologies to solve professional problems; is able to freely use various personal training programs computer;

3). Formation of judgments (formulate arguments and solve problems in the studied area): proves the possibilities of information and educational technologies, demonstrates to the audience the possibilities of modern information technologies for solving professional tasks; shows skills in organizational techniques; discusses and evaluates the concept of information security of the Republic of Kazakhstan, the concept of creating a unified health information system.

4). Learning skills or learning abilities (to collect and interpret information to form judgments taking into account social, ethical and scientific considerations): proves to the audience the possibilities of modern information technologies for solving professional tasks; demonstrates its high level of knowledge about the state of information security of the Republic of Kazakhstan; distinguishes between the main directions and mechanisms of implementation of the State Program

5). Communicative abilities is able to clearly state and explain to undergraduates, teachers, examiners their own and additional knowledge about information technologies in the field of healthcare; Is able to discuss and evaluate modern information and communication technologies in the field of public health development.

11. Prerequisites: Bachelor's degree disciplines.

12. Post-requirements: disciplines of doctoral studies.

13. Literature

Main:

1. Общественное здоровье и здравоохранение: учебник/ В.А. Медик, В.К. Юрьев.-3-изд., перераб.и доп.- Москва, «ГОЭТАР-Медиа», 2010 г.-288с.

2. Общественное здоровье и здравоохранение. Н. В. Полунина. Медицинское информационное агентство ,2010 г.-544с.

3. Приказ МЗКР от 17 февраля 2012 г. № 89 « Алгоритмы действий медицинских работников первичной медико-санитарной помощи по пропаганде здорового образа жизни, профилактике факторов риска, основных социально-значимых заболеваний».

4. Стратегический план развития Национального центра проблем туберкулеза РК на 2015-2017 годы.

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