

The catalog of elective subjects in the 2022-2023 academic year

1. Department: organization and management of pharmaceutical business

2. Level of training: master profile

3. Specialty: M142-pharmacy

4. Course: 1

5. Name elective subjects: Good distribution practice

6. Number of credits: 4 credits

7. Purpose: Formation and consolidation of undergraduates sustainable skills, knowledge and skills in the field of drug treatment in conjunction with good distribution practice to comply with the norms, rules and basic principles of pharmaceutical activity.

8. Tasks:

- build system knowledge of good distribution practices;
- provide systemic knowledge on the main provisions of international and national documents on pharmaceutical activities;
- teach graduate students to apply logistic approaches in the field of drug circulation

9. Rationale for the choice of discipline:

In modern conditions, it is not enough to develop a new effective drug, to establish its optimal price, it is still necessary to choose effective channels for the distribution of drugs from the place of manufacture to the places of their use at a specific time in order to meet the needs of the population and medical institutions in the provision of medicines. Distribution — activities related to the purchase, storage, supply or export of drugs, except for retail sales. This activity is carried out in conjunction with the manufacturers or owners of the registration certificate, importers, other distributors or together with business entities engaged in the retail sale of drugs.

10. Learning outcomes (competencies)

| Knowledge (the cognitive sphere) | Skills (psychomotor sphere) | Personal and professional competences (relations) |
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| <ul style="list-style-type: none"> • demonstrates knowledge and understanding of the interdisciplinary nature of research in modern pharmaceutical science and practice in accordance with the requirements of the current legislation of the Republic of Kazakhstan and Good Pharmaceutical Practices (GxP); • demonstrates knowledge of the organizational and economic aspects of the activities of entities in the field of drug circulation | <ul style="list-style-type: none"> • applies logistic approaches in the field of drug circulation; • organizes the activities of the main links of the distribution system in the framework of distribution (GDP) practice; • organizes storage of drugs and medical devices in facilities engaged in pharmaceutical activities in accordance with the current | <ul style="list-style-type: none"> • adapts to the changing demands of the pharmaceutical labor market; • is engaged in professional growth, demonstrates the skills of effective communication and introspection, experience for teaching at the level of higher education. |

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| | legislation of the Republic of Kazakhstan in the field of healthcare and Good Distribution (GDP) storage and storage practices (GSP). | |
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11.Literature

Basic literature:

1. Багирова В.Л. Управление и экономика фармации.–Москва: Медицина.- 2008. – 720 с.
2. Управление и экономика фармации: учебник/под ред. И.А. Наркевича. – М.: ГЭОТАР-Медиа, 2017. – 928 с
3. Приказ Министра здравоохранения и социального развития Республики Казахстан от 27 мая 2015 года №392 «Об утверждении надлежащих фармацевтических практик»

Additional literature:

1. Арыстанов Ж.М. Менеджмент и маркетинг: учебное пособие-Алматы: Эверо, 2016.
2. Арыстанов Ж.М. Организация фармацевтической деятельности: учеб.пособие. – Алматы: Эверо. - 2015.
3. Мэрфи, П. Р. Заманауи логистика: оқулық / П. Р. Мэрфи, А. М. Кнемейер ; ағылшын тіл. ауд. И. Баймұратова, Қ. М. Төреханова. - 11-бас. - Алматы: Дәуір, 2017. - 176 б.

Electronic resources:

1. Шертаева, К. Д. Фармацевтикалық маркетинг [Электронный ресурс]: оқулық / К. Д. Шертаева, К. Ж. Мамытбаева ; ҚР денсаулық сақтау және әлеуметтік даму министрлігі. ОҚМФА. - Электрон. текстовые дан. - Шымкент: [б. и.], 2016. - эл. опт. диск (CD-ROM) (1.17Мб).
2. Блинова, О. В. Фармацевтический менеджмент [Электронный ресурс]: учебник / О. В. Блинова; М-во здравоохранения РК; ЮКГФА. - Электрон. текстовые дан. (1,29 Мб). - Шымкент: Жасұлан, 2014. - 165 с. эл. опт. диск (CD-ROM).
3. УМКД размещен на образовательном портале ukma.kz
4. Электронная библиотека «Консультант студента». Ссылка для доступа: <http://www.studmedlib.ru>, ЛОГИН ibragim123, ПАРОЛЬ Libukma123
5. Сайт библиотечно-информационного центра академии lib.ukma.kz
6. Медиатека ЮКМА <https://media.skma.edu.kz/>
7. Цифровая библиотека «Акнурпресс» www.aknurpress.kz
пройдите регистрацию и укажите промокод SDH-28
8. ОҚМА Репозиторийі <http://lib.ukma.kz/repository/>
9. Республикалық жоғары оқу орындары аралық электрондық кітапхана <http://rmebrk.kz/>
- 10.«Заң» нормативтік-құқықтық актілер базасы <https://zan.kz/ru>
- 11.«Параграф Медицина» ақпараттық жүйесі <https://online.zakon.kz/Medicine/>

12. Кодекс Республики Казахстан от 7 июля 2020 года № 360-VI «О здоровье народа и системе здравоохранения» (с изменениями и дополнениями). Гл. 2, ст. 10; гл. 5, параграф 3; гл. 27, 28.
https://online.zakon.kz/document/?doc_id=34464437

1. Department of organization and management of pharmaceutical business

2. Level of training: master profile

3. Specialty: 6M 110400-pharmacy

4. Course: 1

5. Name of elective discipline: Management consulting

6. Number of credits: 3 credits

7. Purpose: formation of knowledge, skills and abilities of undergraduates in the organization of management consulting the use of specific tools and methods to ensure optimal results of consulting services in the organizational diagnosis of pharmaceutical organizations.

8. Tasks:

- provide systemic knowledge and develop skills in the application of specific tools, methods of organizing management consulting in organizational diagnostics of pharmaceutical organizations.
- to develop skills in organizing and conducting professional and managerial consulting in the management of pharmaceutical personnel and in applying tools and methods for organizing management consulting and organizational diagnostics of pharmaceutical organizations.

9. Rationale for the choice of discipline:

Management consulting, as a discipline, includes a very important and rapidly developing field of activity to transfer the experience of successful managers to young employees, in training specialists in conducting research on the functioning and development of organizations. The condition for the success of the development of modern pharmaceutical business is the ability to outpace the needs of the market of pharmaceutical products and services. In these circumstances, the need for management consulting increases, especially when the management capacity of a pharmaceutical organization is insufficient to solve the existing problems.

10. Learning outcomes (competencies)

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|-------------------------------------|--------------------------------|--|
| Knowledge (the cognitive sphere) | Skills (psychomotor sphere) | Personal and professional competences (relations) |
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| <ul style="list-style-type: none"> • demonstrates knowledge and understanding of the interdisciplinary nature of research in modern pharmaceutical science and practice in accordance with the requirements of the current legislation of the Republic of Kazakhstan and Good Pharmaceutical Practices (GxP) • demonstrates knowledge of specific tools for management consulting services; • demonstrates knowledge of the basics of organizational diagnostics of a pharmaceutical organization. | <ul style="list-style-type: none"> • analyzes socially significant problems and processes; • applies consulting methods in a consultant - client relationship; • owns specific methods of management consulting; • applies management consulting methods in organizational diagnostics of pharmaceutical organizations. | <ul style="list-style-type: none"> • uses scientific achievements in the field of pharmacy and introduces innovative technologies in its professional activities; • is engaged in professional growth, demonstrates the skills of effective communication and introspection, experience for teaching at the level of higher education. |
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11.Literature

Basic:

1. Арыстанов, Ж. М. Управление и экономика фармации : учебник - Алматы : Эверо, 2015. - 728 с.-40экз..
2. Токмакова Н.О. Основы управленческого консультирования:учебно-практическое пособие./М.: Московский международный институт эконометрики, информатики, финансов и права. - 2014. – 68 с.

Additional:

1. Управленческое консультирование: Учеб.пособие для студентов вузов, обучающихся по специальности «Менеджмент организации» / Г.А. Васильев, Е.М. Деева. – М.: ЮНИТИ – ДАНА. - 2014.

Electronic resources:

1. Шертаева, К. Д. Фармацевтикалық маркетинг [Электронный ресурс]: оқулық / К. Д. Шертаева, К. Ж. Мамытбаева ; ҚР денсаулық сақтау және әлеуметтік даму министрлігі. ОҚМФА. - Электрон. текстовые дан. - Шымкент: [б. и.], 2016. - эл. опт. диск (CD-ROM) (1.17Мб).
2. Блинова, О. В. Фармацевтический менеджмент [Электронный ресурс]: учебник / О. В. Блинова; М-во здравоохранения РК; ЮКГФА. - Электрон. текстовые дан. (1,29 Мб). - Шымкент: Жасұлан, 2014. - 165 с. эл. опт. диск (CD-ROM).
3. УМКД размещен на образовательном портале ukma.kz
4. Электронная библиотека «Консультант студента». Ссылка для доступа: <http://www.studmedlib.ru>, ЛОГИН ibragim123, ПАРОЛЬ Libukma123
5. Сайт библиотечно-информационного центра академии lib.ukma.kz
6. Медиатека ЮКМА <https://media.skma.edu.kz/>

7. Цифровая библиотека «Акнурпресс» www.aknurpress.kz
пройдите регистрацию и укажите промокод SDH-28
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9. Республикалық жоғары оқу орындары аралық электрондық кітапхана
<http://rmebrk.kz/>
- 10.«Заң» нормативтік-құқықтық актілер базасы <https://zan.kz/ru>
- 11.«Параграф Медицина» ақпараттық жүйесі <https://online.zakon.kz/Medicine/>

1. The department of Pharmacognosy

2. Level of training: magistracy

3. EP: 6M110400 «Pharmacy»

4. Course: 1 (scientifically-pedagogical direction)

5. Name of elective discipline: «Herbs in traditional medicine»

6. Amount of credits: 4

7. Purposes:

Acquaintance of undergraduates with herbs which are applied in traditional medicine, the organization of preparations of medicinal plant raw materials, the chemical composition and classification of herbs, bases of rational environmental management, methods of procuring process of medicinal plant raw materials and its standardization and also with the main directions of scientific research in the field of studying of herbs.

8. Content of discipline:

1. General information about medicinal plants used by the people. General information about the methods of use and dosages of medicinal plants used by the people. Plants used by the people for diseases of the liver and gallbladder. Plants used by the people for diseases of the genitourinary organs. Plants used by the people for diseases of the respiratory tract (lungs, throat).

9. Tasks:

- orientation in properties and the chemical composition of herbs according to constantly - study of the distribution and habitat of medicinal plants used by the people;

- familiarization with practical, communication and legal skills of students with the basic provisions on medicinal plant raw materials and medicinal plants used in traditional medicine;

- mastering the current state of theoretical ethnological knowledge in the field of studying traditional medicine.

10. Justification of the choice of discipline:

Herbs in traditional medicine – takes special place in the system of training of specialists with pharmaceutical education after the higher education as traditional medicine and national remedies always drew attention of doctors and researchers. Some of such means after test them in clinics found application in modern medicine and received from herbs take the important place.

Herbs in traditional medicine it is considered a special subject for studying of a pharmacognosy as the main subject.

Considering the increased requirements of practical pharmacy and medicine to use of medicinal raw materials in traditional medicine, the subject "Herbs in Traditional Medicine" considers a circle of the questions connected with preparation of medicinal plant raw materials, rational and careful attitude to resources of herbs, sources of raw materials of mineral and animal origin, processing of plant raw materials and their application in medicine.

11. Results of training (competence):

| Knowledge (cognitive sphere) | Skills (psychomotor sphere) | Personal and professional competences (relations) |
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| <ul style="list-style-type: none"> - Shows knowledge of the basic concepts of herbs in traditional medicine, a subject and its value for practical activities of the expert of pharmacy - Knows difference between botanical, pharmakognostichesky and merchandising characteristic of plants. - Considering the increased requirements of practical pharmacy and medicine to use of medicinal raw materials in traditional medicine, the subject "Herbs in Traditional Medicine" considers a circle of the questions connected with preparation of medicinal plant raw materials, rational and careful attitude to resources of herbs, sources of raw materials of mineral and animal origin, processing of plant raw materials and their application in medicine. - Shows knowledge of herbs in traditional medicine takes special place in the system of training of specialists with pharmaceutical education after the higher education as traditional medicine and national remedies always drew | <ul style="list-style-type: none"> - Demonstrates knowledge of the morphological and anatomical characteristics of medicinal plants, their chemical composition, the effect of the plant on the human body, general information on the methods of use and dosages of medicinal plants used in folk medicine; - Carries out search and information processing about medicinal plant raw materials for consultation of doctors, druggists, the population concerning their preparation, application and storage; - Imparts to students own knowledge and abilities of work with information (educational, help, scientific) in the field of herbs in traditional medicine; - knows, herbs and their application in traditional medicine; - knows plants applied in the people at diseases of a liver and gall bladder; | <ul style="list-style-type: none"> - Demonstrates knowledge of the morphological and anatomical characteristics of medicinal plants, their chemical composition, the effect of the plant on the human body, general information on the methods of use and dosages of medicinal plants used in folk medicine; - Carries out search and information processing about medicinal plant raw materials for consultation of doctors, druggists, the population concerning their preparation, application and storage; - Imparts to students own knowledge and abilities of work with information (educational, help, scientific) in the field of herbs in traditional medicine; - to carry out comparative analysis herbs and their application in traditional medicine; - to carry out the comparative analysis of |

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| <p>attention of doctors and researchers.</p> <p>- Some of such means after test them in clinics found application in modern medicine and received from herbs take the important place.</p> <p>- Knows the BAS main groups of natural origin and their physical and chemical properties, the main ways of biosynthesis, methods of allocation, cleaning, the qualitative and quantitative analysis of the MPRM active ingredients</p> | <p>- knows plants applied in the people at diseases of urinogenital bodies;</p> <p>- Knows plants applied in the people at diseases of airways (lungs, a throat);</p> <p>- knows the poisonous plants applied in the people as medicinal means</p> | <p>plants applied in the people at diseases of a liver and gall bladder;</p> <p>- to carry out comparative analysis on plants applied in the people at diseases of urinogenital bodies;</p> <p>- to carry out comparative analysis on plants applied in the people at diseases of airways (lungs, a throat);</p> <p>- to carry out comparative analysis on the poisonous plants applied in the people as medicinal means</p> |
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12. Prerequisites: bachelor degree

13. Post-details: doctorate

14. Literature

The main:

1. Лекарственное сырье растительного и животного происхождения. Фармакогнозия / Под ред. Г.П. Яковлева. – СПб.: СпецЛит, 2006. – 845 с.: ил.
2. Муравьева Д.А., Самылина И.А., Яковлев Г.П. Фармакогнозия. Учебник. – 4-е изд., перераб. и доп. – М.: ОАО Издательство «Медицина», 2007. – 656 с.: ил.
3. Руководство к практическим занятиям по фармакогнозии: Учебное пособие / Под ред. И.А. Самылиной, А.А. Сорокиной. – М.: ООО «Мед. информационное агентство», 2007. – 672 с.
4. Самылина И.А., Аносова О.Г. Фармакогнозия: учебное пособие: Атлас в 2 т. – М., 2007. – Т.1. – 192 с.; Т.2. – 384 с.
5. Самылина И.А., Ермакова В.А., Бобкова Н.В., Потанина О.Г. Фармакогнозия: учебное пособие: Атлас. – Т.3. – М., 2009. – 488 с.

Additional:

1. Головкин Б.Н., Руденская Р.Н., Трофимова И.А., Шретер А.И. Биологически активные вещества растительного происхождения. – М.: Наука, 2001. – 240 с.
2. Государственная фармакопея Республики Казахстан. Т.1. – Алматы: Издательский дом «Жибек жолы», 2008. – 592 с.
3. Машковский М.Д. Лекарственные средства. – 15-е изд., перераб., испр. и доп. – М.: РИА «Новая волна»: Издатель Умеренков, 2008. – 1206 с.: ил.

1. The department of Pharmacognosy

2. Level of training: magistracy

3. Specialty: 6M110400 «Pharmacy»

4. Course: 2 (scientifically-pedagogical direction)

5. Name of elective discipline: «State registration and re-registration of medicinal raw materials, plant and animal origin»

6. Amount of credits: 4

7. Purposes:

- Formation of theoretical knowledge (cognitive component);
- Mastering the structure and content of documents for state registration and re-registration of medical personnel dossier;
- Instilling communication skills for undergraduates in a professional presentation of the procedure for conducting an examination, a reasoned statement, defending one's own point of view, the formation of logical thinking, the ability to participate in discussions, etc .;
- Mastering legal competence through familiarization with normative documents regulating the quality, efficiency and safety of medicinal products and medicinal products;
- Motivated training of undergraduates for continuous improvement and development of abilities for independent and creative mastering of materials on medicinal plant materials.

8. Tasks

- Re-registration of medicinal plant and animal products;
- Mastering and familiarization of the structure and content of documents of state registration and re-registration of the medicinal product dossier;
- Formation of knowledge about the procedure for conducting an examination;
- The ability to make changes to the state registration and re-registration dossier of medicinal products of plant and animal origin.

9. Content of discipline:

State registration and re-registration of medicinal raw materials, plant and animal origin. The concept of registration, re-registration and certification of pharmaceutical products from raw materials of animal and plant origin in the Republic of Kazakhstan. Standardization and quality control of medicinal plant raw materials. General view and concept of standardization, standards. State registration and re-registration of some ready-made medicines: "Hawthorn tincture," Desert tincture, "Landish tincture," used in phytotherapy. General study of medicinal plant raw materials used in tinctures. Study of general article on SPh of the Republic of Kazakhstan.

10. Justification of the choice of discipline:

The examination of medicines belongs to the state monopoly, carried out by the republican state enterprise based on the right of economic management, which is a state expert organization in the field of circulation of medicines. The study of the system of registration and re-registration of medicinal plant raw materials, their products, established in a national order and mandatory for manufacturers and consumers, is currently a very urgent problem in the Republic of Kazakhstan.

11. Results of training (competence):

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| Knowledge (cognitive sphere) | Skills (psychomotor sphere) | Personal and professional competences |
|---|--|--|

| | | (relations) |
|--|--|--|
| <p>-general concept of the provisions of state registration and re-registration of medicinal products of plant and animal origin;</p> <p>-the general importance of medicinal plants and medicinal plant raw materials as a source of biologically active compounds used for registration in modern herbal medicine;</p> <p>- familiarize yourself with the structure and content of documents for state registration and re-registration of medical personnel dossier;</p> <p>- study, get acquainted and master the necessary knowledge, in the order of the examination;</p> <p>- to get acquainted with the types of expertise of medicinal products of plant and animal origin;</p> <p>- to draw conclusions on the safety, effectiveness and quality of medicinal products;</p> <p>- to make changes to the state registration and re-registration dossier of medicinal products of plant and animal origin.</p> | <p>- is able to correctly give a general description of the provisions of state registration and re-registration of medicinal plant and animal origin;</p> <p>- is familiar with the types of expertise of medicinal products of plant and animal origin;</p> <p>-knows about the importance of medicinal plants and medicinal plant raw materials as a source of biologically active compounds used for registration in modern herbal medicine;</p> <p>- familiarized with the structure and content of documents of state registration and re-registration of the medical personnel dossier;</p> <p>- knows how to make changes to the state registration and re-registration dossier of medicinal plant and animal origin;</p> <p>- familiarized with the general values of medicinal plants and medicinal plant raw materials as a source of biologically active compounds used in registration in modern herbal medicine.</p> | <p>- familiarized with the general values of medicinal plants and medicinal plant raw materials as a source of biologically active compounds used for registration in modern herbal medicine;</p> <p>- knows how to make changes to the state registration and re-registration dossier of medicinal plant and animal origin;</p> <p>- familiarized with the structure and content of documents of state registration and re-registration of the medical personnel dossier;</p> <p>-knows about the importance of medicinal plants and medicinal plant raw materials as a source of biologically active compounds used for registration in modern herbal medicine;</p> <p>- is able to correctly give a general description of the provisions of state registration and re-registration of medicinal plant and animal origin;</p> <p>- familiar with the types of expertise of medicinal plant and animal origin.</p> |

12. Prerequisites: bachelor degree

13. Post-details: doctorate

14. Literature

The main:

1. Лекарственное сырье растительного и животного происхождения. Фармакогнозия / Под ред. Г.П. Яковлева. – СПб.: СпецЛит, 2006. – 845 с.: ил.
2. Муравьева Д.А., Самылина И.А., Яковлев Г.П. Фармакогнозия. Учебник. – 4-е изд., перераб. и доп. – М.: ОАО Издательство «Медицина», 2007. – 656 с.: ил.
3. Руководство к практическим занятиям по фармакогнозии: Учебное пособие / Под ред. И.А. Самылиной, А.А. Сорокиной. – М.: ООО «Мед. информационное агентство», 2007. – 672 с.
4. Самылина И.А., Аносова О.Г. Фармакогнозия: учебное пособие: Атлас в 2 т. – М., 2007. – Т.1. – 192 с.; Т.2. – 384 с.

Additional:

1. Головкин Б.Н., Руденская Р.Н., Трофимова И.А., Шретер А.И. Биологически активные вещества растительного происхождения. – М.: Наука, 2001. – 240 с.
2. Государственная фармакопея Республики Казахстан. Т.1. – Алматы: Издательский дом «Жибек жолы», 2008. – 592 с.
3. Машковский М.Д. Лекарственные средства. – 15-е изд., перераб., испр. и доп. – М.: РИА “Новая волна”: Издатель Умеренков, 2008. – 1206 с.: ил.

1. The department of Pharmacognosy**2. Level of training:** magistracy**3. EP:** 6M110400 «Pharmacy»**4. Course:** 2 (scientifically-pedagogical direction)**5. Name of elective discipline:** «Standardization and quality control of the crushed medicinal plant raw materials and the packed-up products»**6. Amount of credits:** 4**7. Purposes:**

Familiarization of undergraduates with the qualitative and quantitative analysis and validation parameters of the method used. Study of the physicochemical properties of biologically active substances in crushed medicinal plant raw materials. Types of grinding method. Determination of the degree of fineness. Substantiation of the method for obtaining substances and dosage forms. Types of packaging containers. Possible transformation processes of biologically active substances during drying, storage, processing of medicinal plant materials.

8. Tasks:

- study of the physical and chemical properties of biologically active substances in crushed medicinal product;
- determination of the granularity of medicinal products;
- orientation in the properties and chemical composition of medicinal plants in accordance with the constantly growing demand for high-quality herbal products and medicinal plant raw materials;
- orientation in the properties and chemical composition of products of animal and mineral origin, widely used in the modern arsenal of pharmacotherapeutic drugs.

9. Discipline content:

Standardization and quality control of crushed medicinal plant materials. General presentation and concept of standardization, standards, concept of registration, re-registration and certification of pharmaceutical products from medicinal products in the Republic of Kazakhstan. An overview of the required quality indicators for finished pharmaceutical products. Characterization of dosage forms based on native ground raw materials. Medicinal herbal preparations.

10. Justification of the choice of discipline:

Standardization and quality control of crushed medicinal plant materials and finished packaged products has a special place in the system of training specialists with pharmaceutical education. Features of standardization and quality control of crushed medicinal raw materials of plant and animal origin is considered a special subject for the study of pharmacognosy as the main subject.

11. Results of training (competence):

| Knowledge (cognitive sphere) | Skills (psychomotor sphere) | Personal and professional competences (relations) |
|--|---|---|
| <ul style="list-style-type: none"> - Demonstrates knowledge of qualitative and quantitative analysis and validation parameters of the method used - Knows the types of grinding method; - Knows the physical and chemical properties of biologically active substances in crushed medicinal plant raw materials; - Determines the degree of fineness; - Acquainted with the methods of obtaining substances and dosage forms, types of packaging containers. - Demonstrates knowledge about possible transformation processes of biologically active substances during drying, storage, processing of medicinal plant materials; - Demonstrates knowledge of the legislation of the Republic of Kazakhstan in the field of healthcare, international standards, their structure and | <ul style="list-style-type: none"> - Demonstrates knowledge of the legislation of the Republic of Kazakhstan in the field of healthcare, international standards, their structure and other normative and technical documentation regulating quality, rules for procurement, acceptance, requirements for the terms and conditions of storage of medicinal plant materials, the foundations of the legal system of Kazakhstan, etc. - Carries out a search and processing of information about medicinal plant raw materials to advise doctors, pharmacists, the public on their procurement, use and storage; - Transfer to students their own knowledge and skills in working with | <ul style="list-style-type: none"> - Demonstrates knowledge of qualitative and quantitative analysis and validation parameters of the method used - Knows the types of grinding method; - Knows the physical and chemical properties of biologically active substances in crushed medicinal plant raw materials; - Determines the degree of fineness; - Demonstrates knowledge of the legislation of the Republic of Kazakhstan in the field of healthcare, international standards, their structure and other normative and technical documentation regulating quality, rules for procurement, acceptance, requirements for the terms and conditions of |

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|--|---|--|
| <p>other normative and technical documentation regulating quality, rules for procurement, acceptance, requirements for the terms and conditions of storage of medicinal plant materials, the foundations of the legal system of Kazakhstan, etc.</p> | <p>information (educational, reference, scientific) in the field of standardization of medicinal plants; - Acquainted with the methods of obtaining substances and dosage forms, types of packaging containers. - Demonstrates knowledge about possible transformation processes of biologically active substances during drying, storage, processing of medicinal plant materials.</p> | <p>storage of medicinal plant materials, the foundations of the legal system of Kazakhstan, etc. - Carries out a search and processing of information about medicinal plant raw materials to advise doctors, pharmacists, the public on their procurement, use and storage; - Transfer to students their own knowledge and skills in working with information (educational, reference, scientific) in the field of standardization of medicinal plant materials and packaged products.</p> |
|--|---|--|

12. Prerequisites: bachelor degree

13. Post-details: doctorate

14. Literature

The main:

1. Лекарственное сырье растительного и животного происхождения. Фармакогнозия / Под ред. Г.П. Яковлева. – СПб.: СпецЛит, 2006. – 845 с.: ил.
2. Муравьева Д.А., Самылина И.А., Яковлев Г.П. Фармакогнозия. Учебник. – 4-е изд., перераб. и доп. – М.: ОАО Издательство «Медицина», 2007. – 656 с.: ил.
3. Руководство к практическим занятиям по фармакогнозии: Учебное пособие / Под ред. И.А. Самылиной, А.А. Сорокиной. – М.: ООО «Мед. информационное агентство», 2007. – 672 с.
4. Самылина И.А., Аносова О.Г. Фармакогнозия: учебное пособие: Атлас в 2 т. – М., 2007. – Т.1. – 192 с.; Т.2. – 384 с.
5. Самылина И.А., Ермакова В.А., Бобкова Н.В., Потанина О.Г. Фармакогнозия: учебное пособие: Атлас. – Т.3. – М., 2009. – 488 с.

Additional:

1. Головкин Б.Н., Руденская Р.Н., Трофимова И.А., Шретер А.И. Биологически активные вещества растительного происхождения. – М.: Наука, 2001. – 240 с.
2. Государственная фармакопея Республики Казахстан. Т.1. – Алматы: Издательский дом «Жибекжолы», 2008. – 592 с.
3. Машковский М.Д. Лекарственные средства. – 15-е изд., перераб., испр. и доп. – М.: РИА “Новая волна”: Издатель Умеренков, 2008. – 1206 с.: ил.

- 1. Department of organization and management of pharmaceutical business**
- 2. Level of training: master's degree scientific and pedagogical**
- 3. Specialty: 6M 110400-pharmacy**
- 4. Course:1**
- 5. The name of the elective discipline: Human resources and financial management**

6. Number of credits:4 credits

7. Purpose: Formation of undergraduates knowledge in the field of financial management for decision-making to ensure the most efficient movement of financial resources between the pharmaceutical company and its sources of financing, mastering the skills and practical skills of effective personnel management of pharmaceutical organizations.

8. Tasks:

- to form knowledge about the principles, methods and functions of personnel management, mechanisms for building a personnel management system in a pharmaceutical organization;
- the formation of skills for the analysis and optimization of personnel management practices in pharmaceutical organizations;
- build knowledge on the theoretical foundations of financial management;
- give an idea of the financial environment of entrepreneurship, financial planning at enterprises and information support of financial management;
- build knowledge about risk assessment methods and methodological foundations of financial decision making.

9. Rationale for the choice of discipline:

The market is characterized by a constant desire to improve production efficiency, requires constant adjustments to the goals and planned programs of the company, depending on the state of the market. This requires a special management system that takes into account the priorities and specifics of Kazakhstan. It is impossible to achieve success in the market without effective and purposeful management of all processes, including in the financial field. Today, management acts as a system of program and target management, current and future planning, forecasting of scientific developments, organization of production, sales of products and services on the basis of constant innovations in order to improve the efficiency of management, meet the needs of the market and society as a whole, increase profits.

10. Learning outcomes (competencies)

| | | |
|-------------------------------------|--------------------------------|---|
| Knowledge (the cognitive sphere) | Skills (psychomotor sphere) | Personal and professional competences (relations) |
|-------------------------------------|--------------------------------|---|

| | | |
|--|--|--|
| <ul style="list-style-type: none"> demonstrates knowledge of the technologies of planning and recruiting pharmaceutical personnel, selection, motivation, incentives, adaptation and training, assessment of personnel activities and career management of employees in a pharmaceutical organization; demonstrates knowledge of the basics of financial management. | <ul style="list-style-type: none"> carries out the selection of pharmaceutical personnel and forms a personnel policy; owns the skills of planning, selecting and training staff, developing a business career; carries out financial planning at the enterprise; develops a business plan for a pharmaceutical company; manages documentation in the field of pharmaceutical and financial and economic activities of pharmaceutical market entities. | <ul style="list-style-type: none"> works as a team, makes independent decisions in professional activities; adapts to the changing demands of the pharmaceutical labor market; is engaged in professional growth, demonstrates the skills of effective communication and introspection, experience for teaching at the level of higher education. |
|--|--|--|

11.Literature

Basic:

1. Арыстанов, Ж. М. Менеджмент и маркетинг в фармации: учебное пособие / Ж. М. Арыстанов, А. Т. Токсеитова. - Алматы: Эверо, 2016. - 532 с
2. Блинова, О. В. Фармацевтический менеджмент: учебник / О. В. Блинова; М-во здравоохранения РК; ЮКГФА. - Шымкент: Жасұлан, 2013. - 165 с
3. Шопабаета, А. Р. Система учета и отчетности в аптечных организациях Республики Казахстан [Мэтин] : учеб.пособие / А. Р. Шопабаета, А. С. Немченко, С. В. Хименко. - Алматы : ИП Изд-во "Акнұр", 2014. - 72 с

Additional:

1. Шертаева, К. Д. Фармация экономикасы: окулық; ҚР Денсаулық сақтау және әлеуметтік даму Министрлігі. ОҚМФА. - Шымкент : [б. и.], 2016. - 211б. С.
2. Арыстанов, Ж. М. Фармация саласындағы менеджмент негіздері: практикум / Ж. М. Арыстанов. - ; Кітапты ОҚММА орталық әдістемелік кеңесібекіткен. - Алматы :Эверо, 2012. - 156 бет.
3. Қазақстан Республикасындағы фармацевтикалық қызметті реттейтін Заңнамалық және нормативтік –құқықтықактілер жинағы: жинақ / құраст. Б. Қ. Махатов [т/б.]. - Шымкент: Жасұлан, 2017. - 327 бет.

Electronic resources:

1. Шертаева, К. Д. Фармацевтикалық маркетинг [Электронный ресурс]: окулық / К. Д. Шертаева, К. Ж. Мамытбаева ; ҚР денсаулық сақтау және әлеуметтік даму министрлігі. ОҚМФА. - Электрон. текстовые дан. - Шымкент: [б. и.], 2016. - эл. опт. диск (CD-ROM) (1.17Мб).
2. Блинова, О. В. Фармацевтический менеджмент [Электронный ресурс]: учебник / О. В. Блинова; М-во здравоохранения РК; ЮКГФА. - Электрон.

- текстовые дан. (1,29 Мб). - Шымкент: Жасұлан, 2014. - 165 с. эл. опт. диск (CD-ROM).
3. УМКД размещен на образовательном портале ukma.kz
 4. Электронная библиотека «Консультант студента». Ссылка для доступа: <http://www.studmedlib.ru>, ЛОГИН ibragim123, ПАРОЛЬ Libukma123
 5. Сайт библиотечно-информационного центра академии lib.ukma.kz
 6. Медиатека ЮКМА <https://media.skma.edu.kz/>
 7. Цифровая библиотека «Акнурпресс» www.aknurpress.kz
пройдите регистрацию и укажите промокод SDH-28
 8. ОҚМА Репозиторийі <http://lib.ukma.kz/repository/>
 9. Республикалық жоғары оқу орындары аралық электрондық кітапхана <http://rmebrk.kz/>
 - 10.«Заң» нормативтік-құқықтық актілер базасы <https://zan.kz/ru>
 - 11.«Параграф Медицина» ақпараттық жүйесі <https://online.zakon.kz/Medicine/>
 - 12.Кодекс Республики Казахстан от 7 июля 2020 года № 360-VI «О здоровье народа и системе здравоохранения» (с изменениями и дополнениями). Гл. 2, ст. 10; гл. 5, параграф 3; гл. 27,28. https://online.zakon.kz/document/?doc_id=34464437
 - 13.Приказ Министра здравоохранения Республики Казахстан № ҚР ДСМ-305/2020 от 21 декабря 2020 года «Об утверждении номенклатуры специальностей и специализаций в области здравоохранения, номенклатуры и квалификационных характеристик должностей работников здравоохранения». <https://adilet.zan.kz/rus/docs/V2000021856>
 - 14.Приказ Министра здравоохранения Республики Казахстан от 11 декабря 2020 года № ҚР ДСМ-249/2020. Об утверждении правил оценки знаний и навыков обучающихся, оценки профессиональной подготовленности выпускников образовательных программ в области здравоохранения и специалистов в области здравоохранения <https://adilet.zan.kz/rus/docs/V2000021763>

1.Department of organization and management of pharmaceutical business

2. Level of training: master's degree scientific and pedagogical

3. Specialty: 6М 110400-pharmacy

4. Course: 1

5. Name of elective discipline: Applied Pharmacoeconomics

6. Number of credits:3 credits

7. Purpose: the Formation of undergraduates knowledge to determine the economic efficiency of specific treatment schemes, disease prevention to solve problems to ensure the rational use of medicines.

8. Tasks:

- form an understanding of the methods for analyzing the effectiveness and quality of the use of drugs in the treatment of specific diseases;
- teach to scientifically substantiate the choice of drugs;
- develop skills in developing interrelated assessments of quality indicators and economic characteristics.

9. Rationale for the choice of discipline:

The constantly increasing range of medicines on the pharmaceutical market and the limited funds allocated by the state for health care have necessitated the rational distribution of medicines. In this regard, along with information on the therapeutic efficacy and safety of drugs, the main treatment regimens for common diseases require knowledge and, in economic evaluation, drug therapy, which provides the discipline "Pharmacoeconomics".

10. Learning outcomes (competencies)

| Knowledge (cognitive sphere) | Skills (psychomotor sphere) | Personal and professional competences (relations) |
|---|---|--|
| <ul style="list-style-type: none"> demonstrates knowledge of the relationship of clinical and economic requirements for the efficacy, safety, compatibility and interchangeability of drugs; pharmacotherapy algorithms for certain diseases; knows the requirements of regulatory documents of the standardization system in healthcare. | <ul style="list-style-type: none"> classifies methods of pharmacoeconomic analysis; provides rationale for the selection of drugs for the development of patient management protocols; analyzes the effectiveness and quality of the use of drugs in the treatment of specific diseases. | <ul style="list-style-type: none"> uses scientific achievements in the field of pharmacy and introduces innovative technologies in its professional activities; is engaged in professional growth, demonstrates the skills of effective communication and introspection, experience for teaching at the level of higher education. |

11. Literature

Basic:

1. Управление и экономика фармации: Учебник / Под ред. В.Л. Багировой. – М.: ОАО Издательство «Медицина», 2008-720 с.
2. З.Шертаева, К. Д. Основы фармакоэкономики: учебник / К. Д. Шертаева, О. В. Блинова, Ж. К. Шиминова ; Министерство здравоохранения и социального развития РК. ЮКГФА. - Шымкент : ЮКГФА, 2015. - 143 с.
3. Управление и экономика фармации: учебник/под ред. И.А. Наркевича. – М.: ГЭОТАР-Медиа, 2017. – 928 с.

Additional:

1. Шобабаева, А. Р. Фармакоэкономика: учебное пособие / А. Р. Шобабаева, Н. А. Чеботаренко, С. В. Хименко ; М-во здравоохранения и социального развития РК. - Караганда : АҚНҰР, 2016. - 146 с.
2. Прикладная фармакоэкономика: Учебное пособие для вузов // Под ред. В.И.Петрова – М.: «ГЭОТАР - Медиа» - 2012 – 336 с.
3. Шертаева, К. Д. Фармакоэкономиканегіздері: оқулық / К. Д. Шертаева, Ж. К. Шиминова, О. В. Блинова ; ҚРәлеуметтік даму жәнәденсаулықсақтау министрлігі. ОҚМФА. - Шымкент : ОҚМФА, 2015. - 136 бет

Electronic resources:

1. Шертаева, К. Д. Фармакоэкономика негіздері [Электронный ресурс]: оқулық / К. Д. Шертаева, Ж. К. Шиминова, О. В. Блинова ; ҚР әлеуметтік даму және денсаулық сақтау министрлігі. - Электрон. текстовые дан. - Шымкент: ОҚМФА, 2015. - 1.36 Мб +эл. опт. диск (CD ROM). 1экз.
2. Шертаева, К. Д. Основы фармакоэкономики [Электронный ресурс]: учебник / К. Д. Шертаева, О. В. Блинова, Ж. К. Шиминова ; Министерство здравоохранения и социального развития РК. - Электрон. текстовые дан. - Шымкент : ОҚМФА, 2015. - 1.98 Мб +эл. опт. диск (CD ROM). 1экз.
3. УМКД размещен на образовательном портале ukma.kz
4. Электронная библиотека «Консультант студента». Ссылка для доступа: <http://www.studmedlib.ru>, ЛОГИН ibragim123, ПАРОЛЬ Libukma123
5. Сайт библиотечно-информационного центра академии lib.ukma.kz
6. Медиатека ЮКМА <https://media.skma.edu.kz/>
7. Цифровая библиотека «Акнурпресс» www.aknurpress.kz
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8. ОҚМА Репозиторийі <http://lib.ukma.kz/repository/>
9. Республикалық жоғары оқу орындары аралық электрондық кітапхана <http://rmebrk.kz/>
- 10.«Заң» нормативтік-құқықтық актілер базасы <https://zan.kz/ru>
- 11.«Параграф Медицина» ақпараттық жүйесі <https://online.zakon.kz/Medicine/>
- 12.Приказ Министра здравоохранения Республики Казахстан от 8 декабря 2017 года № 931. «Об утверждении Казахстанского национального лекарственного формуляра» <https://adilet.zan.kz/rus/docs/V1700016141>

1.Department of organization and management of pharmaceutical business

2. Level of training: master's degree scientific and pedagogical

3. Specialty: 6M 110400-pharmacy

4. Course: 2

5. The name of the elective discipline: Management in pharmaceutical logistics

6. Number of credits:4 credits

7. Purpose: formation of undergraduates ' system knowledge and understanding of the conceptual foundations of logistics and the acquisition of skills in modern methods of management of material and other flows in modern conditions.

8. Tasks:

- acquisition of deep theoretical knowledge on the concept, strategy and tactics of logistics by undergraduates;
- master's degree students mastering methodological tools for development and implementation of logistics tasks;
- mastering the skills of logical thinking and development of proposals for improvement of logistics systems and mechanisms of their functioning;
- acquisition of skills to assess the economic efficiency and consequences of the implementation of logistics solutions;
- to teach undergraduates to apply logistics approaches in the field of circulation of medicines.

9. Rationale for the choice of discipline:

In the field of circulation of medicines, it is possible to identify the way of movement of pharmaceutical products, ranging from the production of raw materials, substances or cultivation of medicinal plants to the purchase of a drug by the end user. Logistics is a part of economic science and the field of activity, the subject of which is to organize a rational process of promotion of goods and services from producers to consumers, the functioning of the sphere of circulation of products, goods and services, inventory management, creating an infrastructure for commodity circulation. From the position of the organization's management, logistics can be considered as a strategic management of material flows in the process of procurement, supply, transportation, sale and storage of raw materials and finished goods. Pharmaceutical logistics is one of the most complex, from procurement logistics to distribution logistics.

10. Learning outcomes (competencies)

| Knowledge (the cognitive sphere) | Skills (psychomotor sphere) | Personal and professional competences (relations) |
|---|---|---|
| <ul style="list-style-type: none">• demonstrates knowledge and understanding of the interdisciplinary nature of research in modern pharmaceutical science and practice in accordance with the requirements of the current legislation of the Republic of Kazakhstan and Good Pharmaceutical Practices (GxP)• demonstrates knowledge of logistic approaches in the field of drug circulation. | <ul style="list-style-type: none">• organizes a logistics scheme for transporting drugs and medical devices in accordance with the current legislation of the Republic of Kazakhstan in the field of healthcare and Good Distribution (GDP) storage and storage practices (GSP).• manages the logistics processes in the field of pharmaceutical activity of pharmaceutical market entities. | <ul style="list-style-type: none">• uses scientific achievements in the field of pharmacy and introduces innovative technologies in its professional activities;• is engaged in professional growth, demonstrates the skills of effective communication and introspection, experience for teaching at the level of higher education. |

11. Literature

Basic:

1. Управление и экономика фармации [Текст] : учебник / под ред. И. А. Наркевича. - М. : ГЭОТАР - Медиа, 2017. - 928 с.
2. Арыстанов, Ж. М. Управление и экономика фармации учебник - Алматы: Эверо, 2015г
3. Управление и экономика фармации: учебник / под ред. В. Л. Багировой. - М., 2008г

Additional:

1. Мэрфи, П. Р. Заманауи логистика: оқулық / П. Р. Мэрфи, А. М. Кнемейер ; ағылшын тіл. ауд. И. Баймұратова, Қ. М. Төреханова. - 11-бас. - Алматы: Дәуір, 2017. - 176 б. С

2. Кәсіпкерлікті ұйымдастыру: оқу құралы / К. Н. Оразбаева [ж. б.]. - ; ҚР БҒМ Атырау мұнай және газ ин-ның ғыл. кеңесі ұсынған. - Алматы : Эверо, 2010. - 204 бет. с

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1. Шертаева, К. Д. Фармацевтикалық маркетинг [Электронный ресурс]: оқулық / К. Д. Шертаева, К. Ж. Мамытбаева ; ҚР денсаулық сақтау және әлеуметтік даму министрлігі. ОҚМФА. - Электрон. текстовые дан. - Шымкент: [б. и.], 2016. - эл. опт. диск (CD-ROM) (1.17Мб).
2. Блинова, О. В. Фармацевтический менеджмент [Электронный ресурс]: учебник / О. В. Блинова; М-во здравоохранения РК; ЮКГФА. - Электрон. текстовые дан. (1,29 Мб). - Шымкент: Жасұлан, 2014. - 165 с. эл. опт. диск (CD-ROM).
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4. Электронная библиотека «Консультант студента». Ссылка для доступа: <http://www.studmedlib.ru>, ЛОГИН ibragim123, ПАРОЛЬ Libukma123
5. Сайт библиотечно-информационного центра академии lib.ukma.kz
6. Медиатека ЮКМА <https://media.skma.edu.kz/>
7. Цифровая библиотека «Акнурпресс» www.aknurpress.kz
пройдите регистрацию и укажите промокод SDH-28
8. ОҚМА Репозиторийі <http://lib.ukma.kz/repository/>
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- 10.«Заң» нормативтік-құқықтық актілер базасы <https://zan.kz/ru>
- 11.«Параграф Медицина» ақпараттық жүйесі <https://online.zakon.kz/Medicine/>
- 12.Приказ и.о. Министра здравоохранения Республики Казахстан от 4 февраля 2021 года № ҚР ДСМ-15. «Об утверждении надлежащих фармацевтических практик», Приложение 4, гл. 1- 9. <https://adilet.zan.kz/rus/docs/V2100022167>

1.Department of organization and management of pharmaceutical business

2. Level of training: master's degree scientific and pedagogical

3. Specialty: 6M 110400-pharmacy

4. Course: 2

5. Name of elective discipline: Management consulting

6. Number of credits:4 credits

7. Purpose: formation of knowledge, skills and abilities of undergraduates in the organization of management consulting the use of specific tools and methods to ensure optimal results of consulting services in the organizational diagnosis of pharmaceutical organizations.

8. Tasks:

- provide systemic knowledge and develop skills in the application of specific tools, methods of organizing management consulting in organizational diagnostics of pharmaceutical organizations.
- to develop skills in organizing and conducting professional and managerial consulting in the management of pharmaceutical personnel and in applying tools and

methods for organizing management consulting and organizational diagnostics of pharmaceutical organizations.

9. Rationale for the choice of discipline:

Management consulting, as a discipline, includes a very important and rapidly developing field of activity to transfer the experience of successful managers to young employees, in training specialists in conducting research on the functioning and development of organizations. The condition for the success of the development of modern pharmaceutical business is the ability to outpace the needs of the market of pharmaceutical products and services. In these circumstances, the need for management consulting increases, especially when the management capacity of a pharmaceutical organization is insufficient to solve the existing problems.

10. Learning outcomes (competencies)

| Knowledge (the cognitive sphere) | Skills (psychomotor sphere) | Personal and professional competences (relations) |
|---|---|--|
| <ul style="list-style-type: none"> • demonstrates knowledge and understanding of the interdisciplinary nature of research in modern pharmaceutical science and practice in accordance with the requirements of the current legislation of the Republic of Kazakhstan and Good Pharmaceutical Practices (GxP) • demonstrates knowledge of specific tools for management consulting services; • demonstrates knowledge of the basics of organizational diagnostics of a pharmaceutical organization. | <ul style="list-style-type: none"> • analyzes socially significant problems and processes; • applies consulting methods in a consultant - client relationship; • owns specific methods of management consulting; • applies management consulting methods in organizational diagnostics of pharmaceutical organizations. | <ul style="list-style-type: none"> • uses scientific achievements in the field of pharmacy and introduces innovative technologies in its professional activities; • is engaged in professional growth, demonstrates the skills of effective communication and introspection, experience for teaching at the level of higher education. |

11. Literature

Basic:

3. Арыстанов, Ж. М. Управление и экономика фармации : учебник - Алматы : Эверо, 2015. - 728 с.-40экз..
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Additional:

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Electronic resources:

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13. Блинова, О. В. Фармацевтический менеджмент [Электронный ресурс]: учебник / О. В. Блинова; М-во здравоохранения РК; ЮКГФА. - Электрон. текстовые дан. (1,29 Мб). - Шымкент: Жасұлан, 2014. - 165 с. эл. опт. диск (CD-ROM).

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15. Электронная библиотека «Консультант студента». Ссылка для доступа: <http://www.studmedlib.ru>, ЛОГИН ibragim123, ПАРОЛЬ Libukma123

16. Сайт библиотечно-информационного центра академии lib.ukma.kz

17. Медиатека ЮКМА <https://media.skma.edu.kz/>

18. Цифровая библиотека «Акнурпресс» www.aknurpress.kz

пройдите регистрацию и укажите промокод SDH-28

19. ОҚМА Репозиторийі <http://lib.ukma.kz/repository/>

20. Республикалық жоғары оқу орындары аралық электрондық кітапхана <http://rmebrk.kz/>

21. «Заң» нормативтік-құқықтық актілер базасы <https://zan.kz/ru>

22. «Параграф Медицина» ақпараттық жүйесі <https://online.zakon.kz/Medicine/>

1. Department of organization and management of pharmaceutical business

2. Level of training: master's degree scientific and pedagogical

3. Specialty: 6M 110400-pharmacy

4. Course: 2

5. Name of elective discipline: Organizational behavior in pharmaceutical enterprises

6. Number of credits: 4 credits

7. Purpose: Formation and consolidation of undergraduate's in-depth knowledge and skills necessary for effective professional communication with patients and colleagues in various situations; training of qualified managers who are able to make effective decisions in the field of organizational behavior management.

8. Tasks:

- to form knowledge on the basic theories of human behavior in an organization;
- give an idea of the life stages and cycles of organizations;
- to form systemic knowledge according to the principles of building organizational structures;
- master the basic principles of behavior management in the organization;
- give an idea of the psychology of relationships in the organization;
- study the personality characteristics of leaders and basic leadership theories;
- form an idea of staff motivation in the framework of organizational behavior;

- provide systemic knowledge on innovation management in the organization.

9. Rationale for the choice of discipline:

Stable organizational culture, strong management staff create a specific advantage over other firms, bringing additional profits. Organizational behavior is a subject that arose at the intersection of many disciplines: sociology, psychology, organization theory, personnel management, physiology of labor, scientific organization of labor. The reason for their Association was the increased and selective interest of specialists in the field of organizational behavior to the manifestations of the qualities of human activity at all levels of the organization. The program of the discipline "Communication skills" is aimed at studying the basic principles of effective communication of the pharmacist with colleagues, patients, their families, which contributes to the patient's understanding of the prescribed treatment.

10. Learning outcomes (competencies)

| Knowledge (comitiva sphere) | Skills (psychomotor sphere) | Personal and professional competences (relations) |
|--|---|--|
| <ul style="list-style-type: none"> • demonstrates knowledge and understanding of effective communication methods; • demonstrates knowledge of organizational behavior concepts; • demonstrates knowledge of the principles of building organizational structures. | <ul style="list-style-type: none"> • applies effective and conflict-free communication skills with patients, patients' relatives, colleagues • able to make effective decisions in the field of organizational behavior management. | <ul style="list-style-type: none"> • uses scientific achievements in the field of pharmacy and introduces innovative technologies in its professional activities; • is engaged in professional growth, demonstrates the skills of effective communication and introspection, experience for teaching at the level of higher education. |

11. Literature

Basic:

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2. Аширов Д.А. Организационное поведение. Учебник для вузов – М.: ТК Велби, изд-во Проспект, 2015 – 360 с.

Additional:

1. Асимова, Т. А. Биоэтика : учебник /. - Алматы : АҚНҰР, 2017. - 240 с.40экз
2. Арыстанов Ж.М. Основы управленческой этики в фармации – коммуникативные навыки: учеб.пособие – Шымкент – 2010
3. Карягин А.М. Организационное поведение. Учеб.пособие. Иван.гос.энерг.инст. – 2016 – 186 с.
4. Асимов М.А. Коммуникативные навыки: учебник. – Алматы: Эверо, 2015.- 124с.

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5. Сайт библиотечно-информационного центра академии lib.ukma.kz
6. Медиатека ЮКМА <https://media.skma.edu.kz/>
7. Цифровая библиотека «Акнурпресс» www.aknurpress.kz
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