

Catalog of elective disciplines

1. Department: «Legal, economic, environmental and scientific knowledge»
2. Level of training -bachelor's
3. Educational program: 6B10115- Medicine; 6B10116- Pediatrics; 6B10117- Dentistry; 6B10118- Medical and preventive care.
4. Course-1
5. Name of the elective discipline- «Legal, economic, environmental and scientific knowledge»
6. Number of credits (at least 5 credits)-5
7. Purpose- To acquaint students with the basic concepts and laws of legal and economic science, with the content of anti-corruption culture, scientific research and ecology; with the tasks and main sections of such disciplines as fundamentals of law, anti-corruption culture, economics, research methods, ecology and life safety.
8. Contents of the discipline (30-50 words)- The concept of the fundamentals of law, anti-corruption culture, economics, scientific research and environmental safety. General questions of the theory of law and economics, anti-corruption culture, methods of scientific research, fundamentals of environmental knowledge. Theory of state and law, formation of anti-corruption culture, fundamentals of economic knowledge, methodology of science, methods of collection, analysis and publication of scientific data, environmental safety of man and society.
9. Tasks- Formation of methods of spiritual and intellectual self-development, legal, economic and environmental literacy, culture of thinking and behavior.
10. Justification for choosing a discipline- This program is designed to provide students with the necessary knowledge, skills and abilities in the discipline, to achieve learning outcomes.
11. Learning outcomes (4-6 learning outcomes according to Dublin descriptors)-
CLO1-Knows and understands the main stages of scientific research and methods of processing scientific data.
CLO2-Demonstrates knowledge and understanding of the system of norms of the Constitution of the Republic of Kazakhstan, the main definitions and categories of the theory of law and the state, the most important norms of sectoral legislation and economic theory.
CLO3-Knows about the measures of legal and moral responsibility for corruption offenses within the framework of the current legislation in the field of anti-corruption.
CLO4-He is able to analyze the economic situation at the micro and macro levels, focusing on the economic laws and patterns of development of the modern economy.
CLO5-Understands the tasks of ecology and life safety and its basic concepts and knows the main factors that have an anthropogenic impact on the health of the population.
12. Prerequisites- The History of Kazakhstan
13. Post-requisites- Philosophy, Psychology and cultural studies, sociology and political
14. Literature:

1. Спандияров, Е. Ғылыми зерттеулер мен инновация негіздері [Мәтін] : оқу құралы / Е. Спандияров. - Алматы : ЭСПИ, 2021. - 116 бет. с.
2. Спандияров, Е. Основы научных исследований и инновации: практическое пособие / М-во образования и науки РК. - Алматы : Эверо, 2013. - 136 с.
- 3.Қазақстан Республикасының мемлекет және құқық негіздері. 1 бөлім : оқу құралы / құраст. А. Н. Ағыбаев. - Алматы : New book, 2022. - 338 бет.
- 4.Қазақстан Республикасының мемлекет және құқық негіздері. 2 бөлім : оқу құралы / құраст. А. Н. Ағыбаев. - Алматы : New book, 2022. - 246 бет.
- 5.Қазақстан Республикасының мемлекеті мен құқығы негіздері. 1 кітап : /құраст. Е. Баянов. - Алматы : New book, 2022. - 384 бет.
- 6.Қазақстан Республикасының мемлекеті мен құқығы негіздері. 2 кітап : /құраст. Е. Баянов. - Алматы : New book, 2022. - 368 бет.

7. Экономикалық және құқықтық білім негіздері: оқу құралы / Б. С. Битенова, Л. К. Мағзұмова, А. А. Ахатова. - Қарағанды : АҚНҰР, 2019. - 310 бет
8. Газизова Н. С. Құқық негіздері : оқу құралы / Н. С. Газизова. - Алматы : New book, 2022. - 256 бет.
9. Ибрагимов Ж. И. Құқық негіздері : оқу-әдістемелік кешен / Ж. И. Ибрагимов. - Алматы : New book, 2022. - 256 бет.
10. Альжанова, А. Н. Основы права учеб. пособие / А. Н. Альжанова, К. К. Райханова. - ; Алматы : Эверо, 2014. - 134 с
11. Таскымбаева, С. М. Основы экономической теории [Текст] : учеб. пособие / С. М. Таскымбаева, Ф. М. Каратаева. - Караганда : АҚНҰР, 2017. - 200 с
12. Николас, Дж. Бизнес және заң. 1т. [Мәтін] : оқулық / Дж. Николас. - 3-бас. - Алматы : Дәуір, 2017. - 468 б. с.
13. Жанысбеков М. А. Основы антикоррупционной культуры : учебно-методическое пособие / М. А. Жанысбеков, Н. А. Абдурахманов, А. С. Еркинбекова. - Караганда : АҚНҰР, 2016. - 198 с.
14. Сыбайлас жемқорлыққа қарсы мәдеиет негіздері. Оқу-әдістемелік құралы. М. А. Жанысбеков, Н. А. Абдурахманов, А. С. Еркинбекова. - Караганда : АҚНҰР, 2019. - 192 б.
15. Атикеева С.Н. Экология и устойчивое развитие. Учебное пособие. «Sky Systems» 2021
16. Нуржуманова Ж.М. Виды экологического контроля: учебное пособие «Sky Systems» 2019
17. Архангельский В.И. Гигиена и экология человека: М.: ГЭОТАР-Медиа, 2013
18. Кенесариев У.И. экология и здоровье населения : учебник для мед. вузов и колледжей Алматы: Эверо, 2020
19. Имашева Б.С. Социальная экология и устойчивое развитие – Алматы: Эверо, 2020

1. Department: Department "Introduction to the clinic"

2. Education level: Bachelor course

3. Educational programs: «6B10117» «Stomatology»

4. Course: 2

5. Name of the elective discipline: Introduction to the clinic

6. Number of credits: 3

7. Goal: To form students' ideas of the organization of the work of the treatment room and algorithms for providing pre-medical care in the conditions of a medical institution in modern practical healthcare of the Republic of Kazakhstan, based on ensuring the positive effect of the therapeutic and diagnostic process.

8. Responsibilities: - Carries out its activities within the framework of the legislation of the Republic of Kazakhstan in the field of healthcare, is guided by their practical activities to ensure optimal medical care.

- Adheres to the rules of ethics, deontology and subordination, demonstrates interpersonal and communication skills that lead to effective information exchange and cooperation with patients, their families and medical professionals

- Complies with the norms for the implementation of public health protection, the sanitary and hygienic regime of the health organization and the epidemiological safety of the environment, labor safety standards for the organization of health protection

- It works on electronic databases of the healthcare system of the Republic of Kazakhstan, provides documentation of the processes of providing medical services

9. Content of the discipline: Organization of the work of medical staff and algorithms for performing various manipulations. The principles of caring for diverse patients and the organization of a therapeutic and protective regime. Performing nursing procedures and familiarization with the rules of preparation for instrumental research methods. Safe hospital environment and provision of sanitary and anti-epidemic regime. Organization of transportation of patients. Working in the treatment room and maintaining medical records. First aid.

10. Basics of choosing a discipline: This program is designed to provide students with the necessary knowledge, skills and abilities in the subject, to achieve learning outcomes.

11. Learning result:

- 1) Knows and lists the structure of the medical institution and the basics of the procedure room. Able to administer medicines and can describe algorithms of providing pre-medical care.
- 2) Knows the structure of a medical and preventive institution, types of medical institutions and their main work. Applies regulatory documents regulating the activities of medical workers in the work.
- 3) Applies in the work documents related to regulatory legal acts that represent the activities of medical workers
- 4) Able to assess the functional conditions of patients and explains the algorithms of laboratory and instrumental research methods
- 5) Able to distinguish between types of systemic diseases (respiratory organs, cardiovascular system) and mortality
- 6) Able to apply tools and methods of patient-oriented training to provide the population with high qualified medical dental care.
- 7) Performs procedures in accordance with standards to ensure the safety and quality of medical services
- 8) Knows and applies the skills of examining patients of different age and social groups in a medical institution, is able to formulate a conclusion on the collected material on ensuring the sanitary and epidemiological regime in a medical facility.

10. Prerequisites: Introduction to the profession

11. Post-requirements: general pathology, fundamentals of clinical medicine - 1

12. Literature:

References Main literature:

1. Клиникаға кіріспе. Том 1 [Мәтін] :оқулық / С. М. Кабиева [ж.б.] ; ҚР денсаулықсақтау және әлеуметтік даму министрлігі. ҚММУ. - Алматы :Эверо, 2016. - 287 б. с
2. Каркабаева, А. Д. Клиникаға кіріспе-2. 1 -бөлім [Мәтін] :оқуқұралы / А. Д. Каркабаева, Н. Н. Теляева. - Астана : [б. и.], 2017. - 152 бет. с.
3. Каркабаева, А. Д. Клиникаға кіріспе-2. II-бөлім [Мәтін] :оқуқұралы / А. Д. Каркабаева, Н. Н. Теляева. - [Б. м.] : Астана, 2017. - 208 бет. С
4. Теляева, Н. Н. Введение в клинику -2. Ч. 1 [Текст] : учеб. пособие / Н. Н. Теляева, А. Д. Каркабаева. - Астана : [б. и.], 2017. - 214 с.
5. Теляева, Н. Н. Введение в клинику -2. Ч. II [Текст] : учеб. пособие / Н. Н. Теляева, А. Д. Каркабаева. - Астана : [б. и.], 2017. - 210 с

Additional literature:

1. Толекова, С. З. Клиникаға кіріспе [Мәтін] :оқу құралы / С. З. Толекова. - Қарағанды : ЖК "Ақнұр", 2013. - 244 бет. С
2. Алпысова А. Р. Ауруханаға дейінгі кезеңде жедел көмек көрсету алгоритмдері = Алгоритмы оказания неотложной помощи на догоспитальном этапе : оқу құралы / А. Р. Алпысова, Н. В. Молодовская ; ҚР Денсаулық сақтау және әлеуметтік даму министрлігі. - Караганда : АҚНҰР, 2019. - 120 б. с.
3. Қаныбеков А. Жедел медициналық жәрдем : оқу құралы / А. Қаныбеков. - 2-ші бас. - Караганды : АҚНҰР, 2017. - 266 бет. с.
4. Кабиева, С. М. Введение в клинику. Т. 1. [Текст] : учебник / С. М. Кабиева. - Алматы :Эверо, 2016. - 304 с
5. Аяпов К. Модернизация сестринского образования Казахстана : сб. / К. Аяпов. - 2-е изд., перераб. - [б. м.] : New book, 2022. - 220 с.
6. Kabiyeva, S. Introduction in clinic. Volume 1 [Текст] : textbook / S. Kabiyeva. - Almaty : "Evero" , 2016. - 263 p.
7. Hammer , Gary D. Pathophysiology of Disease: An Introduction to Clinical Medicine / Gary D. Hammer . - 7nd ed. - New York : Mg Graw Hill. Education, 2014. - 762 p.

Electronic textbooks

1. Арынгазин, К.Ш., Мажимова, М.Б. Первая доврачебная помощь при несчастных случаях : Учебно-методическое пособие. / Сост. К. Ш. Арынгазин. - Павлодар: Кереку, 2013. - 73 с.<http://rmebrk.kz/>
2. S. Kabiyeva Introduction in clinic: Textbook, volume I. – Almaty: 2020 – 263 p.https://elib.kz/ru/search/read_book/324/

3. Кабиева С.М. Введение в клинику: Учебник. Том I./С.М. Кабиева.- Алматы: Эверо, 2020. – 304 с https://www.elib.kz/ru/search/read_book/316/

Electronic resources:

1. Датхаев, У. М. Коммуникативные навыки [Электронный ресурс] : учебник / У. М. Датхаев, М. А. Асимов, Г. Ж. Умурзахова . - Электрон. текстовые дан.(5,21 МБ). - Алматы : Эверо, 2016. - 256 с. эл. опт. диск (CD-ROM)
2. Асимов, А. А. Коммуникативтік дағдылар [Электронный ресурс] : оқулық / М. А. Асимов, А. А. Сұлтанбеков . - Электрон. текстовые дан.(7,30МБ). - Алматы : Эверо, 2016. - 260 бет. эл. опт. диск (CD-ROM).
3. Адилова, Л. М. Мейіргердің манипуляциялық әрекетінің алгоритмдері [Электронный ресурс] : оқу құралы = Алгоритмы сестринских манипуляций : учеб. пособие - М. : "Литтерра", 2016. - 248б.
4. Коммуникативтік дағдылар. Коммуникативные навыки. Communication skills. Алматы, ТОО "Эверо", 118 https://www.elib.kz/ru/search/read_book/601/
5. Дәрігер мамандығына кіріспе. Клиника, құқық, этика және коммуникация негіздері. Асимов М.А., Оразбакова Г.О., Мадалиева С.Х., Багиярова Ф.А., 2017/ [https:// aknurpress.kz/login](https://aknurpress.kz/login)
6. Жедел медициналық жәрдем Қаныбеков А. , 2017 /<https://aknurpress.kz/login>
Диагностика және жедел медициналық көмек көрсету алгоритмі / algorithm of diagnosis and emergency care Алпысова А.Р. , 2015/<https://aknurpress.kz/login>

1. **Department: Therapeutic and pediatric dentistry**
2. **Level of training: Bachelor's degree**
3. **Speciality: 6B10117- "Dentistry"**
4. **Well: 3**
5. **Name of elective discipline: "Features of treatment of complicated caries of children's permanent (immature roots) teeth"**
6. **Amount of credits: 5 credits (150 hours)**
7. **Target: formation of knowledge and practical skills in the main sections of pediatric therapeutic dentistry at different age periods in children (features of the clinical course of caries and its complications, the use of apexogenesis and apexification methods in children and adolescents).**
8. **Tasks:**
 - Proper treatment of children with carious lesions of permanent teeth;
 - Maximize the vitality of the pulp of permanent teeth in children;
 - Provide quality treatment for vital amputation.
9. **Contents of the discipline.** Stages of development of a child's body. Anatomical, morphological and histological features of the structure of permanent teeth with unformed roots. Timing of eruption and formation of roots of permanent teeth. Morphofunctional state of the pulp during different periods of tooth root formation. Tooth development in the clinical and radiological aspect. Clinical course of pulpitis of permanent teeth with immature roots. Methods of treating pulpitis of permanent teeth with immature roots. Clinical course of periodontitis in permanent teeth with immature roots. Methods of treating periodontitis in permanent teeth with immature roots. Dental materials used for the treatment of permanent teeth with immature roots. Possible errors and complications in the treatment of complicated caries of permanent teeth with unformed roots. Measures for their prevention.
10. **Justification for choosing the discipline:** In recent years, in pediatric endodontic practice, in the treatment of permanent teeth with immature roots, lost pulp, and with a wide apex, temporary filling of root canals after thorough cleaning with non-hardening pastes based on calcium hydroxide has become increasingly popular to stimulate the formation of calcified tissue in the apex area. Therefore, the practical doctor is required to know the age-related anatomy and physiology of the child; the ability to determine the timing of teething and choose methods of disease prevention, conservative or surgical treatment; the ability to promptly recognize developmental defects and prevent further development of anomalies and deformations of the dental system.

11. Learning outcomes (competencies):

| | |
|-------------|--|
| LO 1 | Demonstration of the preparation of hard dental tissues on a phantom using methods to preserve the viability of the pulp |
| LO 2 | Demonstration of working with modern filling materials for teeth with immature roots on a phantom |
| LO 3 | Demonstration of apexogenesis and apexification methods on teeth with immature roots using a phantom |

12. Prerequisites: basics of therapeutic dentistry, basics of restorative dentistry**13. Post-requisites:** carious and non-carious lesions of hard dental tissues, clinical endodontics**14. Literature:**

1. Pediatric therapeutic dentistry. Edited by RAS V.K. Leontyev, Kiselnikova L.P. ., 2017, pp. 530-546. 2. Pediatric dentistry. Part 1. Elizarova V.M., Therapy., 2016, Geotar Media publishing house. pp. 241-287.

Additional literature: 1. Lectures on pediatric dentistry. T1: Training manual. / Edited by T.K. Supiev. - Ed. 2nd, revised and additional - Almaty: "Tau-Samal", 2013. - 436. 2. Propaedeutic dentistry: Textbook / Edited by E.A. Bazikyan, O.O. Yanushevich. - 2nd ed., revised. and additional - M.: GEOTARMEDIA, 2016.- 640 pp.: ill. 3. Supiev T.K., R.I. Yu., "Morphofunctional features of the maxillofacial region in children and adolescents": textbook / Almaty, 2013. - 1357.

1. Department: «Hygiene and epidemiology»**2. Level of preparation** (bachelor's / internship / master's / residency)**3. Speciality:** «Dentistry»**4. Course:** 1**5. Name of elective discipline:** «Ecology and Life Safety»**6. The number of credits - 5****7. Purpose:** - Unified understanding of the basic laws of sustainable development of nature and society and formation of knowledge, work skills, scientific analysis and skills of practical application in the process of life safety.

- Training on the adverse impact of environmental factors on the health of the population in certain regions;

- Training in ways to reduce or eliminate the adverse impact on human health;

8. Tasks:

- Indicators of various organism systems as criteria of environmental assessment for ecological safety of the society;

- The role of an indicator in the totality of environmental forces in conditions affecting health (radionuclides, mineral fertilizers, electromagnetic fields, pesticides, etc.);

- Ecological aspects of human exposure to negative or positive environmental factors;

- Assessment of the potential of medical and social ecological landscapes;

- Creation of ecological security of the society;

9. Justification of the choice of discipline: The place and role of ecology in solving modern economic and political problems. Autecology, demecology and synecology. Types of terrestrial and aquatic ecosystems. The doctrine of biosphere and noosphere. Natural resources and rational use of nature. Nature protection and modern problems of ecology. Problems of ecological development. The concept of sustainable development. Organizational bases of life support. Emergencies in peacetime and wartime. Assess the situation. Features of accidents and disasters at radiation and chemically hazardous facilities. Protection of the people. Medical assistance to the evacuated population. Tasks and organization of the emergency medical aid service. Organization of sanitary-hygienic and anti-epidemic measures. Organization and planning of medical supplies.

10. Learning outcomes (competencies):

| Knowledge (cognitive sphere) | Skills and abilities (psychomotor sphere) | Personal and professional competencies (relationships) |
|--|--|---|
| <ul style="list-style-type: none"> - knows the current problems of the branch of ecology and life safety from the point of view of interrelation and interdependence of the tasks of ecology and life safety development and its basic concepts, acquired knowledge with other social spheres and legislative requirements; - knows forms and methods of research of ecological safety of society; - knows departments of ecological safety of society; - knows environmental factors that have a harmful effect on the human body, their classification; - knows free risk factors; - knows the terminological and conceptual basis of ecology of society; - knows global and regional aspects of ecological safety of society; - identify regularities, establish cause-and-effect relationships, evaluate the significance of differences in productivity, relevant production practices and principles of zero-waste production and zero/low-waste production - knows the importance of environmental safety of practical society; - knows the impact of polluted atmospheric air on human health and living conditions, - knows the impact of environmental pollution of the lithosphere on human health; - understands environmental pathology, knows the causes of its development; | <ul style="list-style-type: none"> - can assess the interrelationship of environmental factors and their impact on public health; - can determine the level of influence of atmospheric air, hydrosphere, lithosphere on public health of environmental pollution; - Can identify anthropogenic factors that can affect environmental objects; - Can provide information obtained in the search and processing to other users. Classification of pharmaceutical production by type and quantity of waste generated. Knows how to reduce waste generation, ventilation emissions, harmful wastewater discharges; -Knows the methods of scientific inquiry and academic writing and knows how to apply them to the field of study. -Knows facts, phenomena, theories, and the complex relationships among them in the field of study. -Capable of assessing the environmental safety of society and analyzing the causes of disease in individuals and populations; - can assess the quality of ensuring environmental safety of society objects and possible impact of anthropogenic factors on the environment and health of residents. - can analyze the state of ecological fund and human gene pool and organize measures to improve it; | <ul style="list-style-type: none"> - knows the functioning of organizational and economic aspects in the field of protection of environmental safety of the society; - knows general methods of ecological research; - can predict the quality of public health care - collects, processes and analyzes and critically evaluates and issues the introduction of new technologies, new equipment, on the expansion of the range of products can conduct research/experimental work. |

11. Prerequisites: molecular biology and medical genetics, basic physiology.

12. Post requisites: Clinical epidemiology, an introduction to the clinic.

13. Literature:

1. Atikeeva S.N. Ecology and Sustainable Development. Textbook. "Sky Systems" 2021
2. Nurzhumanova J.M. Types of environmental control: textbook "Sky Systems" 2019
3. Arkhangel'sky V.I. Hygiene and human ecology: M.: GEOTAR-Media, 2013
4. Kenesariyev U.I. Ecology and health of the population : textbook for medical universities and colleges Almaty: Evro, 2020

1. **Department:** Therapeutic and pediatric dentistry
2. **Level of training:** Bachelor's degree
3. **Speciality:** 6B10117-"Dentistry"
4. **Well:** 3
5. **Name of elective discipline:** Periodontology
6. **Amount of credits:** 5 credits (150 hours)
7. **Target:** Formation of knowledge and skills in the etiology, pathogenesis, clinic of periodontal diseases, in making a preliminary and final diagnosis, using basic and additional research methods, carrying out preventive measures and detecting periodontal diseases in the early stages, providing outpatient care and dynamic monitoring of patients with periodontal diseases .
8. **Tasks:**
 - Elimination of periodontal and gum pockets
 - Removal of purulent foci
 - Elimination of foci of infection in the oral cavity in acute and chronic conditions
 - Stimulation of regenerative processes of oral tissues
 - Increasing the stability of the immune system
9. **Contents of the discipline.** The structure of periodontal tissues. Functions of periodontium. Etiology of morphogenesis of periodontal diseases. Classification. Clinic. Diagnostics Differential diagnostics. Methods of examination and diagnosis of periodontal diseases. MRI. CT. X-ray semiotics. Clinical picture of periodontal diseases in different age groups (pregnant women and children). Treatment of periodontal diseases. Dynamic observation. Clinical examination. Prevention of periodontal diseases.

10. Justification for choosing the discipline: Periodontology is a field of dentistry that includes the prevention, diagnosis and treatment of diseases of the periodontal tissues and their pathologies, as well as maintaining the health, function and aesthetics of these structures. In many cases, periodontal symptoms are subtle or unnoticeable to the "untrained" eye, which is why regular checkups with your dentist are so important. However, there are some telltale signs that may signal the disease.

11. Learning outcomes (competencies):

| | |
|------------|--|
| LO1 | Demonstrates knowledge of the anatomical and histological structure of periodontal tissues, features of the functioning and biomechanics of periodontium, classification, etiology, pathogenesis, clinical picture and diagnosis of periodontal diseases in adults and pregnant women. |
| LO2 | Has the skills to register and evaluate the condition of periodontal tissues, hygienic oral care, controlled cleaning of the oral cavity, the use of methods and means of treatment for the prevention of periodontal diseases at the individual and group levels |
| LO3 | Interprets data from basic and additional research methods (x-rays, clinical tests, tank cultures). |
| LO4 | Demonstrates skills in planning programs for the prevention of periodontal diseases at the individual level, drawing up a treatment plan for periodontal |

| | |
|------------|--|
| | patients, conducting treatment and monitoring of periodontal patients in accordance with the plan, and conducting an epidemiological dental survey of the population; |
| LO5 | Implements the principles of medical ethics and deontology, in communication with colleagues, nurses and junior staff, patients and their relatives, and forms methods of psychological and pedagogical persuasion for patients of different age groups. |

12. Prerequisites: Cariesology and non-carious lesions of hard dental tissues

13. Post-requisites: diseases of the mucous membranes, oral surgery 1

14. Literature:

Main:

1. Borovsky E.V. Therapeutic dentistry. T.1: textbook / E.V. Borovsky. - 3rd ed. - Alma-Ata: Newbook, 2019
2. Borovsky E.V. Therapeutic dentistry. T.2: textbook / E.V. Borovsky. - 3rd ed. - Alma-Ata: Newbook, 2019.
3. Borovsky E.V. Therapeutic dentistry. T.3: textbook / E.V. Borovsky. - 3rd ed. - Alma-Ata: Newbook, 2019.

Additional:

4. Maksimovsky, Yu. M. Therapeutic dentistry. Cariesology and diseases of hard dental tissues. Endodontics: a guide to practical exercises. tutorial. / Yu. M. Maksimovsky, A. V. Mitronin; edited by Yu.M. Maksimovsky. - M.: GEOTAR - Media, 2019.

1. Department: Therapeutic and pediatric dentistry

2. Level of training: Bachelor's degree

3. Speciality: 6B10117-"Dentistry"

4. Well: 3

5. Name of elective discipline: Prevention of dental diseases

6. Amount of credits: 4 credits (120 hours)

7. Target: Formation of knowledge and skills to identify and eliminate risk factors for dental diseases, methods of organizing and conducting preventive measures among various populations at the individual and group levels; methods of dental education and motivating the population to maintain dental health; on conducting an epidemiological dental examination of children and adults and planning a prevention program;

8. Tasks:

- Prevention of dental diseases arising in the oral cavity;
- Provide appropriate assistance for dental diseases occurring in the oral cavity;
- Prevention of complications of dental diseases.

9. Contents of the discipline. Etiological and pathogenetic substantiation of the main directions of prevention of dental diseases. Hygienic education of the population. Methods for preventing major dental diseases. Dental preventive programs

10. Justification for choosing the discipline: Dental treatment in modern dental clinics has reached a completely new level, and now the effectiveness of the techniques used guarantees long-term positive results. Caries, pulpitis, periodontitis, periostitis are common pathologies that inevitably lead to tooth loss in the absence of proper treatment. The good news is that today effective treatment of a diseased tooth is carried out with minimal discomfort for the patient.

11. Learning outcomes (competencies):

| | |
|------------|--|
| LO1 | Knows the etiology and pathogenesis of major dental diseases. Has the skills to teach children and adults the rules of hygienic oral care; carries out individual selection of oral hygiene products |
|------------|--|

| | |
|------------|---|
| L02 | Demonstrates knowledge and skills in conducting dental education of the population on the issues of maintaining dental health, epidemiological dental examination of the population, recording and assessing the condition of hard tissues of teeth, periodontal disease, and oral hygiene; identifying risk factors for dental diseases. |
| L03 | Demonstrates skills in planning a program for the prevention of dental diseases at the individual, group and population levels; in the application of methods for the prevention of various forms of carious and non-carious lesions of hard dental tissues. |
| L04 | Communicates effectively with colleagues, nurses and junior staff, patients and their relatives and forms methods of psychological and pedagogical persuasion for patients during preventive measures. |
| L05 | Implements skills in applying methods and means of preventing dental diseases at the individual and group levels; carrying out professional oral hygiene; carrying out the prevention of major dental diseases in pregnant women, creating dispensary groups for the purpose of prevention |

12. Prerequisites: basics of therapeutic dentistry, basics of restorative dentistry

13. Post-requisites: Clinical endodontics, periodontology

14. Literature:

Main:

1. Kabulbekov, A. A. Preventive dentistry: a textbook / A. A. Kabulbekov, S. S. Esembaeva, Zh. A. Kistaubaeva. - Almaty
2. Velbery, R. R. Pediatric dentistry: a guide / R. R. Wellbery, M. S. Duggal, M.-T. Hosie; lane from English edited by L.P. Kiselnikova. - M.: GEOTAR - Media, 2013.

Additional:

Ormanova, A. A. Prevention of dental anomalies in children who lost temporary teeth early: dis. ...for the academic degree of Master of Medical Sciences / A. A. Ormanova. - Shymkent: SKMA, 2018. - 70 p. +el. wholesale disk (CD-ROBallalardyn therapy dentistry. Practices sabaktarga nuskaulyk: oku kuraly / kazak til. auditor. S. T. Tuleutaev; ed. bask. L. P. Kiselnikova. - M. : GEOTAR - Media, 201