**Osh State University**

**International Medical Faculty**

**" Аpprove"**

**Chairman of the UMC MMF,**

**c.m.s. associate professor,**

**Salieva R.Sh.**

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**"\_\_\_\_\_\_" \_\_\_\_\_\_\_\_ 2022.**

**Catalog of elective disciplines (CED)**

**for the 2022-2023 academic year**

**Specialty: “General medicine-560001”**

**Course -3, semester-V, 2 credits**

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| **№** | **Course** | **Semester** | **Number of credits** | **Department** | **Name of elective** | **Annotation of the elective course** | **Prerequisites** | **Postrequisites** | **Number of hours** | | | | **Advisors (consultant)** |
| total | lec | prac | iws |
| **1** | **3** | **V** | **2** | Department of "Pathology, BCPh” | Pathophysiology of drug addiction and substance abuse | The elective course is aimed at studying the issues of the general etiology of drug addiction and substance abuse, the concept of drugs, the general mechanisms of action of drugs on the nervous system, stages of drug addiction, as well as the principles of prevention and treatment of drug addiction. | Clinical biochemistry, physiology, histology | Forensic medical examination, internal medicine | 60 | 12 | 18 | 30 | Zhanbaeva A. | |
| **2** | **3** | **V** | **2** | Department of "Pathology, BCPh” | Evidence-based medicine in clinical pharmacology. Clinical Practice Standards | An elective course is aimed at studying the basics of evidence-based medicine in clinical pharmacology. GCP, GlP, pharmacovigilance. The course will help to shape students' critical and analytical thinking when approaching therapy based on evidence-based medicine. | Clinical biochemistry, physiology | Clinical Pharmacology, Internal Diseases | 60 | 12 | 18 | 30 | Momunova A., Seitova A. | |
| **3** | **3** | **V** | **2** | Department of "Pathology, BCPh” | Pharmaceutical logistics according to regulations GDP/GSP | The elective course focuses on the WHO regulatory requirements for the distribution of medicines; acquiring skills in organizing the main processes of pharmaceutical logistics | Informatics, pharmacology. | Clinical disciplines | 60 | 12 | 18 | 30 | Momunova A., | |
| **4** | **3** | **V** | **2** | Department of "Pathology, BCPh” | Fundamentals of modern medical legislation in accordance with international standards | The elective course examines the issues of legislative support for the protection of public health, the rights and obligations of medical organizations, medical workers, as well as citizens in the field of healthcare, the problems of social and legal protection of medical workers. | History of medicine, philosophy | Forensic medical exp. Legal basis for the activity of a doctor | 60 | 12 | 18 | 30 | Akhunzhanov R.  Umurzakova G. | |
| **5** | **3** | **V** | **2** | Department of "Pathology, Basic and Clin. Pharmacology” | Management and research methodology | The purpose of the elective course is to teach students a science-oriented approach to scientific research. The course examines the organization and methods of scientific research, the full range of research methods, research designs, information collection, statistical processing of material. | Informatics, anatomy, histology, physiology, clinical biochemistry | ERWS/ SRWS/  SRW | 60 | 12 | 18 | 30 | Kalmatov R.K. | |
| **6** | **3** | **V** | **2** | Department of "Pathology, BCPh” | Biostatistics in medicine | An elective course examines the development and use of statistical methods in scientific research in medicine, health care, epidemiology. This science allows you to identify patterns, show connections, dependence, degree of influence, medical factors. | General biology, chemistry, microbiology, epidemiology | Evidence-based medicine | 60 | 12 | 18 | 30 | Kalmatov R.K | |
| **7** | **3** | **V** | **2** | Department of "Pathology, BCPh” | Introduction to Pharmacoepidemiology and Pharmacoeconomics | The purpose of mastering the elective course is to study the use and effect of drugs on large groups of people, to study the assessment of the therapeutic risk associated with the use of drugs and the effectiveness of measures and to minimize them, by the specialists conducting the treatment, to plan, control, recommend and change the individual pharmacotherapy of the patient for its optimization. | Microbiology, Epidemiology | Clinical disciplines | 60 | 12 | 18 | 30 | Momunova A. | |

**Course -3, semester - VI, 3 credits**

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| **№** | **Course** | **Semester** | **Number of credits** | **Department** | **Name of elective** | **Annotation of the elective course** | **Prerequisites** | **Postrequisites** | **Number of hours** | | | | **Advisors (consultant)** |
| total | lec | prac | iws |
| **1** | **3** | **V** | **3** | Department of "Pathology, BCPh” | Rational use of medicines | The purpose of mastering the elective course is medicinal, informational and organizational-methodological support of the quality of pharmacotherapy for a specific patient with a specific disease, for monitoring and increasing the degree of their adherence to treatment. | Pharmacology, internal diseases | Clinical disciplines | 90 | 18 | 27 | 45 | Momunova A., Seitova A. |
| **2** | **3** | **VI** | **3** | Department of "Pathology, BCPh” | Clinical pharmacology of drugs for COVID - 19 | The aim of the elective course is to provide relevant information and guidelines regarding the COVID - 19 pandemic. Direction of therapy, pharmacological characteristics of drugs, their pharmacokinetic and dynamic actions. | microbiology | Clinical disciplines | 90 | 18 | 27 | 45 | Zhanbaeva A. |
| **3** | **3** | **VI** | **3** | Department of "Pathology, BCPh” | Clinical morphology of endocrine diseases  (https://www.sechenov.ru/univers/structure/institute/institut-klinicheskoy-meditsiny/kafedry-klinicheskoy-mediciny-im-Sklificovskoro/patanat/electiv/) | Development of the content of one of the basic academic subjects, which allows you to maintain the study of related academic subjects at a specialized level or receive additional training for passing the unified state exam | Normal Anatomy | Pathological Anatomy | 90 | 18 | 27 | 45 | Umurzakova G. |
| **4** | **3** | **VI** | **3** | Department of "Pathology, BCPh” | Jurisprudence | In elective courses, in the process of studying, a highly professional, stable, optimally balanced cadre is formed, which is most fully consistent with modern and predictable socio-political, economic, criminogenic and other conditions, capable of effectively solving the tasks set by society and the state. The course "Jurisprudence" combines several branches of law, which allows the future doctor to receive a set of legal knowledge in the main spheres of public life and the field of medical activity | Philosophy | Forensic Medicine | 90 | 18 | 27 | 45 | Umurzakova G. |
| **5** | **3** | **VI** | **3** | Department of "Pathology, BCPh” | Pathological anatomy of diseases of the prenatal and perinatal periods " | The purpose of the elective course in the pathological anatomy of diseases of the prenatal and perinatal periods is to study the structural foundations of these diseases, their etiology, pathogenesis and morphogenesis to use the knowledge gained in training at clinical departments to train a general practitioner. | Normal anatomy | Childhood diseases | 90 | 18 | 27 | 45 | Umurzakova G. |
| **6** | **3** | **V** | **3** | Department of "Pathology, BCPh” | Medical toxicology | The purpose of the elective course in medical toxicology is to develop an understanding of the main goals and principles of studying the toxicity of chemical, potential medicinal and medicinal substances in experimental and clinical studies, to improve knowledge, skills and abilities for the timely recognition of toxicological pathology, the adequate application of organizational, legal, ethical-deontological and medical - preventive principles in relation to these patients, continuous improvement of the system of measures, means and methods to ensure the preservation of life, health and professional performance of an individual, collectives and the population as a whole in conditions of daily contact with chemicals and in emergency situations. | Clinical biochemistry | Clinical disciplines | 90 | 18 | 27 | 45 | Zhanbaeva A. |

**Course -4, semester - VIII, 2 credits**

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| **№** | **Course** | **Semester** | **Number of credits** | **Department** | **Name of elective** | **Annotation of the elective course** | **Prerequisites** | **Postrequisites** | **Number of hours** | | | | **Advisors (consultant)** |
| total | lec | prac | iws |
| **7** | **4** | **VIII** | **2** | Department of "Pathology, BCPh” | Multidrug-resistant tuberculosis | Elective is included in the list of the National Health Programs of India and Pakistan.  The purpose of mastering the elective course is to study the education of multidrug resistance to tuberculosis.  The principles of randomized selection of the most effective and safe drugs or their combinations for drug interactions, prevention and treatment of side effects based on the principles of evidence-based medicine are given. | Microbiology, physiology, pathanamia, pathophysiology. Pharmacology | Internal diseases, phthisiology | 60 | 12 | 18 | 30 | Zhanbaeva A.  Murzaeva Maria |
| **8** | **4** | **VIII** | **2** | Department of "Pathology, BCPh” | Topical issues of AIDS, HIV infection. | Elective is included in the list of the National Health Programs of India and Pakistan.  The purpose of this elective is to study the clinical and immunological features of the natural course of HIV infection in patients not taking specific antiretroviral therapy in comparison with the group taking specific antiretroviral therapy and the peculiarities of the course of HIV infection against the background of tuberculosis. The course examines pharmacotherapy based on the principles of evidence-based medicine | Microbiology, physiology, pathological anatomy, pathophysiology. Pharmacology | Clinical disciplines | 60 | 12 | 18 | 30 | Zhanbaeva A.  Murzaeva Maria |