



JSC Astana Medical University  
 Application for elective disciplines  
 Educational program: 6B10107 - General Medicine  
 Level of education Bachelor's degree  
 2022-2023 academic year  
 5-course - 5 credits (MD)



1	2	3	4	5	6	7	8	9	10			11	12	13
									practice	independent work of student with the teacher	independent work of students			
1	Medical information systems and data in the activities of a general practitioner		MD	In this discipline, work with medical information systems, means of information support for medical decisions, computer applications and statistical programs for solving medical problems are considered.	Information and communication technologies, Biostatistics	residency and master's degree disciplines	Department of biostatistics, bioinformatics and information technologies	5(150)	50	25	75	5	Department of biostatistics, bioinformatics and information technologies	Abdikadyr Z.N.
2	Acquired and congenital diseases of the bronchopulmonary system in children	Interstitial and disseminated diseases in pediatric pulmonology.	MD	Study and development of modern methods of diagnosis and treatment of acquired and congenital lung diseases in children	Basics of childhood diseases	Internship disciplines	Department of Children's diseases with courses of pulmonology and nephrology	5 (150)	20	10	30	5	Department of Children's diseases with courses of pulmonology and nephrology	Muldakhmetov M.S.
		Congenital and hereditary lung diseases in children.							30	15	45			
3	Diagnostics, treatment, and prevention of dermatoses	Diagnosis and pharmacotherapy of infectious and non-infectious dermatoses	MD	The study of modern diagnostic algorithms, differential diagnosis and treatment of the most common dermatoses in the work of a general practitioner	Pathology of organs and systems, the basics of internal diseases	General medical practice	Department of dermatovenerology and dermatocosmetology	5(150)	30	15	45	5	Department of dermatovenerology and dermatocosmetology	MD, prof. Batpenova G.R.
		Clinical pharmacology of drugs used in dermatological practice		The study of the characteristics of drugs used in dermatological practice. Rational pharmacotherapy of infectious and non infectious.					20	10	30			
4	Actual problems of pediatric surgery and pediatric radiology.	Actual problems of pediatric surgery.	MD	The module contributes to the formation of clinical thinking, knowledge and skills in the diagnosis and treatment of surgical diseases in children. Attention paid also features of radiation examination in children.	Basics of internal diseases, basics of surgical diseases, basics of childhood diseases	Internship disciplines	Department of Pediatric Surgery	3(90)	30	15	45	5	Department of Pediatric Surgery	V.Lozovoy
		Pediatric radiology.					Department of Radiology and Nuclear medicine	2(60)	20	10	30			
5	Main principles of clinical pharmacology	Basics of Clinical Pharmacology	MD	This discipline heads in students' knowledge about the main positions of clinical pharmacology, pharmacodynamics, pharmacokinetics and the principles of rational pharmacotherapy based on the choice of drugs, taking into account their effectiveness, safety, and acceptability.	Pharmacology	general practice, clinical pharmacology	Department of Clinical Pharmacology	2(60)	20	10	30	5	Department of Clinical Pharmacology	Ahmadyar N.S.
		Rational use of medicines						3(90)	30	15	45			

6	Fundamentals of screening in oncology	Issues of cancer alertness	MD	Fundamentals of screening in oncology studies the issues of early diagnosis of malignant diseases, oncological alertness and state screening programs in the Republic of Kazakhstan	Pathological anatomy of diseases of organs and systems, microbiology, pharmacology, general surgery	Internship's disciplines	Department of Oncology	5(150)	20	10	30	5	Department of Oncology	A. Makishev
		State screening programs							30	15	45			
7	Fundamentals of oncodermatology	Risk factors, principles of diagnosis and treatment of skin cancer	MD	Fundamentals of oncodermatology studies risk factors, methods for diagnosing and treating skin cancer and melanoma	Pathological anatomy of diseases of organs and systems, microbiology, pharmacology, general surgery	Internship's disciplines	Department of Oncology	5(150)	20	10	30	5	Department of Oncology	A. Makishev
		Principles of diagnosis and treatment of melanoma-prone nevi and melanoma							30	15	45			
8	Introduction to Medical rehabilitation		MD	The issues of the organization of medical rehabilitation in the Republic of Kazakhstan and abroad, methods and means of rehabilitation, the basics of medical rehabilitation in inpatient and outpatient settings are considered	Anatomy. Physiology. General hygiene. General epidemiology. Fundamentals of pediatric diseases. Fundamentals of internal diseases. Fundamentals of surgical diseases.	General medical practice	The department of rehabilitation and sports medicine	5(150)	50	25	75	5	The department of rehabilitation and sports medicine	Slivkina N.V.
9	Basics of geriatrics	Physiology of aging	MD	The increase in life expectancy and the ageing of the population is a worldwide demographic trend that is also observed in our country. Topical is the study of pathophysiological aspects of human ageing, features of the current, diagnosis and pharmacotherapy of diseases of internal organs in elderly and old people.	The basics of internal diseases	General medical practice	Department of Normal Physiology	2(60)	20	10	30	5	Department of Internal medicine with a course of geriatrics	Tkachev V.A.
		Clinical geriatrics					Department of Internal Diseases with Geriatrics course	3(90)	30	15	45			
10	Topical issues of childhood infectious diseases	Urgent conditions in the clinic of children's infections	MD	This module allows you to effectively master the current knowledge of emergency conditions in pediatric infectious practice using fundamental theoretical knowledge in the study of emergency conditions in children.	Infectious diseases, including childhood diseases, medical biochemistry, physiology, general pathophysiology and pathophysiology of organs and systems	Fundamentals of infectious diseases	Department of Children's Infectious Diseases, Department of General and Biological Chemistry	5(150)	30	15	45	5	Department of childhood Infectious Diseases	Baesheva D.A.
		Biochemical aspects of emergency conditions in pediatrics							20	10	30			
11	Persuasion skills. Increasing compliance. Leadership.		MD	Working with objections, resistances, types of conflicts, ways of resolving them, acquiring skills to motivate other people for the necessary goals, skills of written and oral communication in social networks and offline (doctor's appointment, consultations, interaction with relatives of patients). Formation of leadership qualities. Increasing your stress resistance as the main tool for self-realization, leadership, high productivity in the profession, prevention of destructive ways of coping with stress	Patient-Focused Learning	Disciplines of internship in general medical practice	Department of Clinical Psychology	5(150)	50	25	75	5	Department of Clinical Psychology	A. S. Karazhanova

12.	Effective stress management	MD	The discipline is devoted to the prevention and correction of chronic and acute stress in the professional activities of a doctor and medical personnel. Students will acquire the latest knowledge about the formation of acute and chronic stress and acquire skills of resilience in an aggressive environment (the formation of a resource state in acute stress, effective solution of problem situations, overcoming the consequences of acute stress, mastering techniques for overcoming chronic stress). Students will increase their stress resistance as the main tool for self-realization, leadership, high productivity in the profession, prevention of destructive ways of coping with stress (withdrawal into illness, the formation of neuroses, alcoholism, gambling addiction, etc.)	Patient-Focused Learning	Disciplines of internship in general medical practice	Department of Clinical Psychology	5(150)	50	25	75	5	Department of Clinical Psychology	A. S. Karzhanova
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Approved at the meeting of the Committee on quality assurance of educational programs of the University

Protocol no.4 from "29" 04.2022 y.

Head of the Registrar's office

 N. Teshova

Head of the Center for Academic Activities

 G. Utenova