



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



"APPROVED"
Vice-Chairman of the QAC of the
University
M. Muldakhmetov
2022 y.

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			
No	a module / discipline	module component	cycle of discipline	Course Description	prerequisites	postrequisites	the department participating in the module	the number of credits (hours)				course (specialization / training trajectory)	responsible department for the module / discipline	Head of the department
1	Topical issues of clinical microbiology	Clinical bacteriology and virology	MD	The main objectives of the module is the formation of students' knowledge, skills and abilities in microbiological, virological and mycological methods of research of widespread infectious diseases, purulent-inflammatory diseases and nosocomial infections, dysbiosis. Issues of biosafety and infection control, problems of vaccination in the activities of a practitioner.	medical microbiology, general immunology, medical biochemistry	basics of medical practice, internship degree disciplines	Department of Microbiology and Virology named after Sh.I. Sarbasova	5(150)	30	15	45	4	Department of Microbiology and Virology named after Sh.I. Sarbasova	Dusmagambetov M.U.
		Clinical mycology and parasitology							20	10	30			
2	Topical issues of diagnosis and treatment in oncomammology	Principles of diagnosis and treatment of background and precancerous diseases of the breast	MD	The study of the issues of diagnosis and treatment of background and precancerous breast diseases is the basis for the student to master the basics of cancer awareness, the purpose of which is the prevention and early detection of breast cancer, which is currently an urgent problem worldwide.	Pathological anatomy of diseases of organs and systems, microbiology, pharmacology, general surgery	Basics of obstetrics and gynecology in the work of GPs, basics of surgical diseases in the work of GPs, oncogynecology	Department of oncology	5(150)	20	10	30	4	Department of oncology	Makishev A.
		Principles of diagnosis and treatment of malignant neoplasms of the breast			Pathological anatomy of diseases of organs and systems, microbiology, pharmacology, general surgery	Basics of obstetrics and gynecology in the work of GPs, basics of surgical diseases in the work of GPs, oncogynecology			30	15	45		Department of oncology	Makishev A.
3	Organization of the oncological service of the Republic of Kazakhstan	Clinical groups in oncology and patient routing	MD	The study of the structure and organization of the oncological service of the Republic of Kazakhstan is a priority for medical students, because it is based on the principles of providing oncological care at all levels, the principles of oncological alertness, prevention, timely diagnosis and treatment, as well as medical examination in oncology.	Pathological anatomy of diseases of organs and systems, microbiology, pharmacology, general surgery	Basics of obstetrics and gynecology in the work of GPs, basics of surgical diseases in the work of GPs, oncogynecology	Department of Oncology	5(150)	20	10	30	4	Department of oncology	Makishev A.
		Principles of medical examination in oncology			Pathological anatomy of diseases of organs and systems, microbiology, pharmacology, general surgery	Basics of obstetrics and gynecology in the work of GPs, basics of surgical diseases in the work of GPs, oncogynecology			30	15	45		Department of oncology	Makishev A.

4	Fundamentals of kinesitherapy		MD	The course provides the student with knowledge and understanding of the basics of the application of kinesitherapy, its principles and methods. The role of kinesitherapists in the system of medical rehabilitation, the means of medical rehabilitation will be considered	Anatomy, physiology	General medical practice	The department of rehabilitation and sports medicine	3(90)	30	15	45	4	The department of rehabilitation and sports medicine	Slivkina N.V.
5	Fundamentals of ergotherapy		MD	The course provides the student with knowledge and understanding of the basics of the application of occupational therapy, its principles and methods. The role of occupational therapists in the system of medical rehabilitation, the means of medical rehabilitation will be considered	Anatomy, physiology	General medical practice	The department of rehabilitation and sports medicine	2(60)	20	10	30	4	The department of rehabilitation and sports medicine	Slivkina N.V.
6	Fundamentals of Clinical Immunology	Clinical immunology and methods of immunodiagnostics Fundamentals of Clinical Allergology	MD	The main objectives of the disciplines of the module is to study topical issues of clinical immunology and allergology, pathogenesis and features of allergic diseases encountered in the practice of a doctor. An important role is also played by teaching the basics of immunodiagnostics and the ability to assess the level of damage to the immune system in combination with clinical data.	general immunology, pathological physiology, pathological anatomy, medical microbiology, pharmacology	Fundamentals of General Medical Practice	Department of Internal Medicine with courses in Nephrology, Hematology, Allergology and Immunology	5(150)	30 20	15 10	45 30	4	Department of Internal Medicine with courses in Nephrology, Hematology, Allergology and Immunology	Turebekov D. K.

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. Pleshova

Head of the Center for Academic Activities  G. Utenova