MINISTRY OF EDUCATION AND SCIENCE OF THE KYRGYZ REPUBLIC

Government-run Educational-Institution of Higher Professional Education
Kyrgyz-Russia Slavic University
School of Medicine

Medical parasitology

Course Outline (Module)

Assigned to the department of Academic Curriculum	**Physics, Medical Informatics and Biology** 560001 – KR General Medicine
Qualification	**Specialist**
Mode of Study	**Intramural**
The Course outline developed by:	Morkovkina A.B., Karaeva R.R., Kobzar V.N.

Course Hours Scheduling (per semester)

Semester Academic Year	**2(1.2)**		**Total**	
Weeks	14			
Type of Training	AC	CO	AC	CO
Lectures	10	10	10	10
Practical Session	28	28	28	28
Contact work during the period of theoretical training	0,3	0,3	0,3	0,3
Including interactive session	2	2	2	2
Total in class Session	38	38	38	38
Contact work	38,3	38,3	38,3	38,3
Individual work	33,7	33,7	33,7	33,7
Total	72	72	72	72

1. COURSE OUTLINE OBJECTIVES	
1.1	to study the basics of parasitism, basics of medical parasitology in the context of ecology, parasite-host relationships at different levels of the hierarchy of biological systems, biology and life cycles of parasites. To acquaint students with the origin and distribution of parasitism in the environment. To give an introduction to the basics of medical parasitology, the biology and life cycles of animals as agents of major human diseases, modern diagnostic methods, the basics of identification of parasites and vectors, methods of prevention and elimination of parasitic diseases.
1.2	to develop the ability and practical skills of working with electronic media of medical and biological information, information sites to solve medical and preventive problems. Developing the ability to use various kinds of reference materials and manuals needed to solve practical problems necessary for doctors.
2. PLACE OF THE COURSE IN THE EDUCATIONAL PROGRAM	
Educational Program Units:	Б1.В.16.06
2.1	**Students' Preliminary Training Requirements:**
2.1.1	Biology, anatomy and general biology which are included in a high school level
2.1.2	Medical biology
2.1.3	Chemistry in the frame work of a high school level
2.2	**Course Units and Practical Sessions imposing the prior Proficiency:**
2.2.1	Histology
2.2.2	Pathophysiology, clinical pathophysiology
2.2.3	Epidemiology
2.2.4	Immunology
2.2.5	General hygiene
3. STUDENTS' COMPETENCIES RESULTING FROM THE COURCE UNIT (MODULE)	
IC-l - is able and ready to analyze socially significant problems and processes, use the methods of natural sciences, mathematics and the humanities in various types of professional and social activities	
Know:	
Level 1	basic biological concepts of morphology and development of parasitic animals and their vectors
Level 2	the main features of the development of parasitic animals and their vectors
Level 3	basic methods of comparative analysis of parasitic animals and their vectors
Ability:	
Level 1	to identify morphological features of parasitic animals and their vectors
Level 2	to identify individual representatives of parasitic animals on microslides, photographs
Level 3	to choose appropriate methods of comparative analysis in the study of morphophysiology and development of representatives of individual systematic groups of parasitic animals and their vectors
Skills:	
Level 1	methods of determining species affiliation based on morphophysiological and anatomical features of parasitic animals and their carriers
Level 2	methods of independent work with reference, educational and scientific literature in the study of morphophysiology of parasitic animals and their carriers
Level 3	methods of working with scientific and educational portals, basic skills in using standard software for statistical processing of the results obtained
Final Students' Competences	

3.1	**Know:**
	- peculiarities of morphophysiology and development of representatives of individual systematic groups of parasitic animals and their carriers; - distinctive features of morphophysiology and development of representatives of individual systematic groups of parasitic animals and their carriers; - methods of comparative analysis in the study of morphophysiology and development of representatives of individual systematic groups of parasitic animals and their carriers
3.2	**Ability:**
	- diagnose pathogens of human parasitic diseases on the microslides and photos; - to distinguish features of morphophysiology and development of representatives of separate systematic groups of parasitic animals and their carriers; - to determine the morphophysiology and development features of representatives of individual systematic groups of parasitic animals and their carriers; - choose appropriate methods of comparative analysis in the identification of individual representatives of parasitic animals and their carriers; - use modern computers to process medical information
3.3	**Skills:**
	- methods of determining species affiliation based on morphophysiological and anatomy features of parasitic animals and their carriers; - methods of comparative analysis in the study of morphophysiology and development of representatives of individual systematic groups of parasitic animals and their carriers; - modern methods of computer processing of medical information