


APPROVED

Head of the Department of Medical
Biology, Parasitology and Genetics

 Assoc. Prof. Maria KUSHYNSKA
Protocol No 11 from 11.01.2024

**THEMATIC AND CALENDAR SCHEDULE OF LECTURES OF THE STUDYING
DISCIPLINE «MEDICAL BIOLOGY, PARASITOLOGY AND GENETICS»
FOR THE I YEAR STUDENTS
SPECIALTY 222 MEDICINE
IN THE 2023-2024 ACADEMIC YEAR**

SPRING SEMESTER

No	Topic	Hours	Date	Lecturer
I SEMESTER				
1.	Variation in human as life property and genetic phenomenon. Methods of human inheritance investigation. Hereditary diseases of human.	2	18.01-31.01	Paryzhak S.Ya. – Ph.D., Associate
2.	The medical and biological basis of parasitism. Protozoa are human parasites.	2	1.02-14.02	Professor; Onufrovych
3.	Medical Helminthology. Flat and Round worms are human parasites.	2	15.02-28.02	O.K. – Ph.D., Associate
4.	Medical Arachnoentomology. Arthropods as the causative agents and vectors of human infections and invasions.	2	29.02-14.03	Professor
Total for the II semester			8 h	
Total for the academic year			16 h	

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SPRING SEMESTER

No	Topic	Hours	Date
16	The basic principles of medical genetics. Gene and chromosomal diseases. Cytogenetics and biochemical methods of human inheritance investigation.	2	15.01-19.01
17	Genealogy of human as the method of human inheritance investigation. Study of twins.	2	22.01-26.01
18	Study of heredity by the method of dermatoglyphics. Population statistic method of heredity study.	2	29.01-2.02
19	Practical skills for the Part "Basic principles of heredity and variation. Methods of the human inheritance investigation".	2	5.02-9.02
20	Medical Protozoology. Phylum Sarcomastigophorea, Class Lobosea. Phylum Ciliophora. Class Rimostomatea.	2	12.02-16.02
21	Representatives of the Class Zoomastigophorea – human parasites.	2	19.02-23.02
22	Phylum Apicomplexa. Representatives of the Class Sporozoea – human parasites.	2	26.02-1.03
23	Medical Helminthology. Phylum Flat worms (Platyhelminthes). Class Trematoda: liver, lancet, cat and lung flukes.	2	4.03-8.03
24	Class Trematoda: blood flukes, causative agents of metagonimus and nanophyetus.	2	11.03-15.03
25	Class Cestoidea: armed, unarmed, and dwarf tapeworms.	2	18.03-22.03
26	Class Cestoidea: echinococcus, alveococcus, broad tapeworm.	2	25.03-29.03
27	Phylum Round worms (Nemathelminthes). Class Nematoda: large intestinal roundworm, pinworm (seatworm), whipworm and trichina worm.	2	1.04-5.04
28	Phylum Round worms (Nemathelminthes). Class Nematoda: threadworm, hookworm, Guinea worm and Filariae.	2	8.04-12.04
29	Practical skills for the Parts "Medical Protozoology" and "Medical Helminthology".	2	15.04-19.04
30	Medical Arachnoentomology. Phylum Arthropoda. Class Arachnoidea. Ticks and mites are activators and vectors of human diseases.	2	22.04-26.04
31	Class Insecta: Diptera, Lice and Fleas – vectors and causative agents of human infections and invasions.	2	29.04-3.05
32	Biosphere as a system, supporting the existence of human beings. Human ecology.	2	6.05-10.05
	Total for II Semester	34 h	
	Total for the Academic year	64 h	

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**THEMATIC AND CALENDAR SCHEDULE OF INDIVIDUAL WORK OF THE
STUDYING DISCIPLINE «MEDICAL BIOLOGY, PARASITOLOGY AND
GENETICS» FOR THE I YEAR STUDENTS
SPECIALTY 222 MEDICINE
IN THE 2023-2024 ACADEMIC YEAR**

No	Topic	Hours	Group No	Date
1	Methods of laboratory diagnosis of protozoan diseases.	5	34	15.01-26.01
2	Methods of laboratory diagnosis of helminthiasis.	5	34	29.01-9.02
3	Poisonous plants and animals for human.	4	34	12.02-23.02
4	Midges and its components: characteristic, importance as the intermediate hosts of helminthes and vectors of human diseases.	4	34	26.02-8.03
5	Cockroaches and bedbugs: their species, medical importance.	4	34	11.03-22.03
6	Phylogenesis of urogenital systems of Vertebrates. Onto-phylogenetic causes of congenital defects.	4	34	25.03-12.04
7	Phylogenesis of circulatory systems of Vertebrates. Onto-phylogenetic causes of congenital defects.	4	34	15.04-26.04
8	Origin of human. Human races as the reflection of the adaptive patterns of human development.	4	34	29.04-3.05
9	Synthetic theory of evolution. Population structure of humankind.	4	34	6.05-10.05
	Total for II Semester	48 h		
	Total	85 h		

Total hours/credit 165/5.5

Lectures 16 hours

Practices 64 hours;

Individual work 85 hours.

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