



МЕДИЦИНСКИ УНИВЕРСИТЕТ – ПЛОВДИВ  
MEDICAL UNIVERSITY – PLOVDIV

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CURRICULUM FOR THE COURSE OF HUMAN BIOLOGY  
FOR 1<sup>ST</sup> YEAR STUDENTS IN **MEDICINE**, Summer Term 2022-2023

*Lectures-Monday, 14:00 pm, IV auditorium*

Week	№	LECTURE TOPIC	PRACTICAL COURSE TOPIC	HOURS
6 - 10. 02. 2023	1.	Immunological homeostasis. Innate and adaptive immunity.	Introduction to parasitology. Basic terms. Host-parasite interactions.	2
13 - 17. 02. 2023	2.	Antigens. Characteristics and classification.	Subkingdom Protozoa. Subphylum Sarcodina. Phylum Ciliophora.	2
20 - 24. 02. 2023	3.	Immune system. Lymphoid organs.	Subkingdom Protozoa. Subphylum Mastigophora (Flagellates).	2
27. 02 - 3. 03. 2023	4.	Immunocompetent cells - types, characteristics, functions. Differentiation	Subkingdom Protozoa. Phylum Apicomplexa. Subphylum Sporozoa.	2
6 - 10. 03. 2023	5.	Antibodies. Immunoglobulin classes. Complement system.	Phylum Platyhelminthes. Class Trematoda (Flukes).	2
13 - 17. 03. 2023	6.	Immunobiology of BGA. ABO/H/ and Rhesus system.	Phylum Platyhelminthes. Class Cestoda. Elective course - Parasitology	2
20 - 24. 03. 2023	7.	Types, kinetics and genetics of immune response.	Phylum Nematelminthes. Class Nematoda. Elective course - Parasitology	2
27 - 31. 03. 2023	8.	Major histocompatibility complex (MHC).	Phylum Arthropoda. Order Acarina. Class Insecta.	2
3 - 7. 04. 2023	9.	Antigen recognition, processing and presentation. Cellular interactions in the immune response.	PRACTICAL and WRITTEN TEST IN PARASITOLOGY.	1
10 - 14. 04. 2023	Easter holiday			
17 - 21. 04. 2023	10.	Immunological tolerance. Immunology of reproduction.	Innate and adaptive immunity. Antigens. Blood group antigens.	2
24 - 28. 04. 2023	11.	Immunobiology of HIV. AIDS.	Primary and secondary lymphoid organs. Immune cells. Intercellular communications.	2
1 - 5. 05. 2023	12.	Immunology of transplantations.	Humoral and cellular immunity. Immunoglobulins. The Complement system.	2
8 - 12. 05. 2023	13.	Tumor Immunology.	Major histocompatibility complex. Tumor immunology.	2
15 - 19. 05. 2023	14.	Hypersensitivity reactions.	Hypersensitivity reactions. Immunological tolerance. Genetics of antibody production.	2
22 - 26. 05. 2023	15.	Immunity in stress and immunosenescence.		

**Prepared by:**

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