Annotation of the syllabus of the discipline Biology Graduate qualification: Specialist Field of training: 31.05.01 General medicine

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Goal of the discipline	The goal of the discipline is to form ecological and clinical thinking of future doctors in the consideration of biological patterns of human activity taking into account its specific features of morpho functional organization, genetic apparatus for solving problems of preserving human health and gene pool, increasing life expectancy in modern conditions, and preserving life on the Earth.	
Tasks of the discipline	 to study fundamental properties of life at all the levels of the organization of life from the point of view of the evolutionary approach, as a prerequisite for human life; to study a biological basis of the human body activity (ontogenesis, heredity, variability, reproduction) in order to distinguish between the norm and pathology in development; to study the relationship of organisms with their environment at the level of individuals, populations, biocenoses, biosphere as the basis of human relationships with the environment, including: a) parasitism as an ecological phenomenon, features of the structure and life cycles of human parasites, as the basis for forming ideas about environmental diseases; b) influence of abiotic environmental factors on the human body as the basis for forming ideas about environmental variability and adaptive types of people. 	
Position of the discipline within the structure of the educational program (EP) (Prior & subsequent disciplines)	Block 1. Basic part.	
	Subsequent disciplines: Biochemistry, Normal and Pathological Physiology, Pathological Anatomy, Histology, Medical Genetics, Infectious Diseases, Epidemiology.	
Year of study, term	I/1,2	
	Lectures (L)	30

Discipline workload	Seminars (Sem.)	
(in academic hours)	Practical classes (PC)	60
	Clinical practicals (CP)	
	Laboratory-based practicals (LBP)	
	Simulation-based practicals (SBP)	
	Preparation for the examination (PE)	33,7
	Preparation for the credit (PC)	
	Exam consultations (EC)	2
	Coursework (CW)	
	Unsupervised work (UW) (total)	90
	Examination control (EC)	0,3
	Total course workload	216
Formed competences (Codes)	GPC-7	
Basic discipline sections (Modules)	 General laws of origin and development of life. Cell biology. The body as a biological system. Biological foundations of human life. Ontogenesis. Fundamentals of the theory of evolution. Genetics of human populations. Phylogeny of organs and of major systems of vertebrates. Biological basis of parasitism and vector-borne diseases. Protozoology. Helminthology. Arachnoentomology. Fundamentals of the human ecology. 	