

**Тематический план лекций
по медицинской биологии и общей генетике для студентов 1го курса
факультета иностранных учащихся**

№п /п	Тема	Количество часов
1	Cytology. Cell theory. Groups of the cells. Cell biology. Cell structure. Plasma membrane and cell wall. Organelles and cytoplasm. Eukaryotic and Prokaryotic cells.	2
2	Cell division. Cell reproduction. Mitotic cell cycle. Mitosis disturbances. Interphase. Karyokinesis.	2
3	Cell cycle. Mitosis. Stage of mitosis: Prophase, Metaphase, Anaphase, and Telophase.	2
4	Meiosis. Reproduction. Sexual and non-sexual reproduction. Problems of the human reproductions. Influence of alcohol, smoking and drugs on the human development.	2
5	Ontogenesis. Types of ontogenesis. Cleavage, gastrulation, mesoderm formation.	2
6	Genetics. Mendel`s laws. Allelic and non-allelic genes interactions. <i>Controlled self-depended work</i> : The main steps of genetics.	2 (1)
7	Morgan`s genetics. Chromosomal theory of inheritance. Linking genes and chromosomes. Linkage, X-chromosome linkage. Morgan`s experiments. Crossing over. Chromosome map. Sex determination.	2
8	Human genetics. Methods of human genetics: cytogenetics, twins study, prenatal diagnostics.	2
9	Human genetics: pedigree analysis and types of inheritance.	2
10	Parasitology as a science. Medical parasitology: objects and the aims. Subkingdom Protozoa. Phylum Flagellata. <i>Controlled self-depended work</i> : Origin of parasitism.	2 (1)
11	Subkingdom Protozoa. Phylum Flagellata.. Phylum Apicomplexa.	2
12	Subkingdom Protozoa. Phylum Sarcodina, Phylum Flagellata	2
13	Medical helminthology. Epidemiological classifications of the helminthes. Phylum Plathelminthes: the main characteristics. Class Trematodes	2
14	Phylum Plathelminthes. Class Cestoides	2
15	Phylum Nematelminthes: the main characteristics. Class Nematoda	2
16	Class Nematoda. Family Filariidae	2
17	Ecological aspects of the parasitism. Protozoa, Flat warms, and Round warms.	2
18	Phylum Arthropoda. Classifications, the main characteristics of the parasites.	2
	Total hours	38

Заведующий кафедрой
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