



МЕДИЦИНСКИ УНИВЕРСИТЕТ – ПЛОВДИВ
MEDICAL UNIVERSITY – PLOVDIV

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Катедра по медицинска биология

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CURRICULUM FOR THE COURSE OF HUMAN BIOLOGY
FOR 1ST YEAR STUDENTS IN DENTAL MEDICINE
Winter Term 2021 – 2022

Lectures-Monday, 2:00 pm

Week	№	LECTURE TOPIC	LECTURER	HOURS	PRACTICAL COURSE TOPIC	HOURS
4 – 8.10.21	3.	Organization of the genetic material in the cell. Structure of chromosomes.	V. Sarafian	2		
11 – 15.10.21	4.	Karyotype. Pathological karyotype.	M. Kazakova	2		
18 – 22.10.21	5.	Cell cycle. Mitosis. Regulation of the cell cycle.	M. Kazakova	2	Microscopy.	2
25 – 29.10.21	6.	Meiosis. Gametogenesis. Fertilization.	M. Kazakova	2	Organization of the genetic material in the cell. Karyotype.	2
1 – 5.11.21	7.	Nucleic acids. Replication.	M. Kazakova	2	Nucleic acids. DNA replication.	2
8 – 12.11.21	8.	Transcription. Translation. Genetic code.	M. Kazakova	2	Transfer of genetic information. Transcription.	2
15 – 19.11.21	9.	Gene and chromosomal mutations.	M. Kazakova	2	Translations. Genetic code. Gene mutations.	2
22.11 – 26.11.21	10.	Apoptosis.	M. Kazakova	2	Structural and numerical chromosomal mutations.	2
29.11 – 03.12.21	11.	Tumor biology.	V. Sarafian	2	Molecular medicine – application of PCR based approaches.	2
6 – 10.12.21	12.	Genetic engineering.	M. Kazakova	2	Cell cycle. Mitosis. Apoptosis. Tumor biology.	2
13 – 17.12.21	13.	Gene manipulation. Gene therapy.	M. Kazakova	2	Meiosis. Gametogenesis. Fertilization.	2
20- 24.12.21	14.	Epigenetics.	V. Sarafian	2		

Prepared by:

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