

	DATE	TIME		TOPICS
				of the weeks 1.-4.
TEST 1	6.11.2025	11:00	GM	<p><b>Basic properties, structure and functions of living organisms, molecular nature of life.</b></p> <p><b>Cell structure</b> – prokaryotic and eukaryotic cells, cell organelles, their structure and function</p> <p><b>Viruses, viroids and prions</b></p> <p><b>General characteristic of biomembranes</b>, molecular structure of biomembranes; movement of molecules through the membrane</p>
				of the weeks 5.-9.
TEST 2	11.12.2025	11.00	GM	<p><b>The structural organization of genome</b> - organization of DNA in genomes, the basic principles of human cytogenetics</p> <p><b>Cell cycle I.</b> - replication of DNA, DNA repair</p> <p><b>Cell cycle II.</b> - cell cycle, control of cell cycle, mitosis</p> <p><b>Cell cycle III.</b> - meiosis, spermatogenesis, oogenesis, fertilization in human</p>