**FIRAT UNIVERSITY FACULTY OF DENTISTRY COURSE SCHEDULE**

**Department : Medical Biology**

**Grade : 1st Grade**

**Semester : 2024-2025 FALL/SPRING SEMESTER COURSES**

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| **Week** |  |  |
| **1st Semester** | Topic | Lecturer |
| **1.Week**  24.09.2024  26.09.2024 | 15.15 -16.00 Cell theory  16.15 -17.00 Prokaryotes  15.15 -16.00 Eukaryotes  16.15 -17.00 Biomolecules: DNA and RNA Molecules | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **2.Week**  01.10.2024  03.10.2024 | 15.15-16.00 Cell membrane  16.15 -17.00 Cell Surface Differentiation  15.15 -16.00 Lab: Microscope Introduction and Use  16.15 -17.00 Lab: Microscope Introduction and Use | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **3.Week**  08.10.2024  10.10.2024 | 15.15 -16.00 Principles of Membrane Transport  16.15 -17.00 Principles of Membrane Transport  15.15 -16.00 Cell Skeleton  16.15 -17.00 Cell Skeleton | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **4.Week**  01.10.2024  03.10.2024 | 15.15 -16.00 Endoplasmic Reticulum  16.15 -17.00 Golgi  15.15 -16.00 Lysosome  16.15 -17.00 Peroxisome | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **5.Week**  15.10.2024  17.10.2024 | 15.15 -16.00 Mitochondria  16.15 -17.00 Nucleus  15.15 -16.00 Lab: Prokaryotic and Eukaryotic Cells  16.15 -17.00 Lab: Prokaryotic and Eukaryotic Cells | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **6.Week**  22.10.2024  24.10.2024 | 15.15 -16.00 Cell Adhesion and Extracellular Matrix  16.15 -17.00 Cell Adhesion and Extracellular Matrix  15.15 -16.00 General Principles of Signal Transmission  16.15 -17.00 General Principles of Signal Transmission | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **7.Week**  29.10.2024  31.10.2024 | **OFFICIAL HOLIDAY**  **15.15 -16.00 General Principles of Signal Transmission**  **16.15 -17.00 General Principles of Signal Transmission** | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **8.Week**  05.11.2024  07.11.2024 | 15.15 -16.00 Shaping the Chromatin Network  16.15 -17.00 Shaping the Chromatin Network  15.15 -16.00 Cell Division and Types  16.15 -17.00 Mitosis and Meiosis | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **9.Week**  12.11.2024  14.11.2024 | 15.15 -16.00 Control of Mitosis and Meiosis  16.15 -17.00 Control of Mitosis and Meiosis  15.15 -16.00 Lab: Cell Division and Types  16.15 -17.00 Lab: Cell Division and Types | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **10.Week**  19.11.2024  21.11.2024 | 15.15 -16.00 Human Genome and Genome Project  16.15 -17.00 Human Genome and Genome Project  15.15 -16.00 DNA Synthesis (Replication)  16.15 -17.00 DNA Synthesis (Replication) | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **11.Week**  26.11.2024  28.11.2024 | 15.15 -16.00 RNA Synthesis (Transcription)  16.15 -17.00 RNA Synthesis (Transcription)  15.15 -16.00 Protein Synthesis (Translation)  16.15 -17.00 Protein Synthesis (Translation) | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **12.Week**  09-13.12.2024 | **MIDTERM EXAM WEEK** | |
| **13.Week**  16-20.12.2024 | **MIDTERM EXAM WEEK** | |
| **14.Week**  24.12.2024  26.12.2024 | 15.15 -16.00 Genetic Control in Prokaryotes  16.15 -17.00 Genetic Control in Prokaryotes  15.15 -16.00 Genetic Control in Eukaryotes  16.15 -17.00 Genetic Control in Eukaryotes | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **15.Week**  31.12.2024  02.01.2025 | 15.15 -16.00 Stem Cell  16.15 -17.00 Stem Cell  15.15 -16.00 Molecular Basis of Cancer  16.15 -17.00 Molecular Basis of Cancer | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **16.Week**  07.01.2025  09.01.2024 | 15.15 -16.00 Molecular Basis of Cancer  16.15 -17.00 Molecular Basis of Cancer  15.15 -16.00 Cell Death Mechanisms  16.15 -17.00 Cell Death Mechanisms | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **17.Week**  14.01.2025  16.01.2025 | 15.15 -16.00 Molecular Basis of Cell and Living Aging  16.15 -17.00 Molecular Basis of Cell and Living Aging  15.15 -16.00 Lab: Overview  16.15 -17.00 Lab: Overview | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **17.01.2025** | **END OF TERM** | |