**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 theory16.15 -17.00 Prokaryotes15.15 -16.00 Eukaryotes16.15 -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 membrane16.15 -17.00 Cell Surface Differentiation15.15 -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 Transport16.15 -17.00 Principles of Membrane Transport 15.15 -16.00 Cell Skeleton16.15 -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 Golgi15.15 -16.00 Lysosome16.15 -17.00 Peroxisome | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **5.Week**15.10.2024 17.10.2024  | 15.15 -16.00 Mitochondria16.15 -17.00 Nucleus15.15 -16.00 Lab: Prokaryotic and Eukaryotic Cells16.15 -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 Matrix16.15 -17.00 Cell Adhesion and Extracellular Matrix15.15 -16.00 General Principles of Signal Transmission16.15 -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 Network15.15 -16.00 Cell Division and Types16.15 -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 Meiosis16.15 -17.00 Control of Mitosis and Meiosis15.15 -16.00 Lab: Cell Division and Types16.15 -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 Project16.15 -17.00 Human Genome and Genome Project15.15 -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 Prokaryotes15.15 -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 Cell16.15 -17.00 Stem Cell15.15 -16.00 Molecular Basis of Cancer16.15 -17.00 Molecular Basis of Cancer | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **16.Week**07.01.202509.01.2024  | 15.15 -16.00 Molecular Basis of Cancer16.15 -17.00 Molecular Basis of Cancer15.15 -16.00 Cell Death Mechanisms16.15 -17.00 Cell Death Mechanisms | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **17.Week**14.01.202516.01.2025  | 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: Overview16.15 -17.00 Lab: Overview | Dr. Öğr. Üyesi İlay BURAN KAVURAN |
| **17.01.2025** | **END OF TERM** |