**FIRAT UNIVERSITY FACULTY OF DENTISTRY COURSE SCHEDULE**

**Department : Medical Genetics**

**Grade : 1st Grade**

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

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| **2nd Semester** | **Topic** | **Lecturer** |
| 1.Week  03-07.02.2025 | Introduction to Medical Genetics | Dr. Öğr. Üyesi Aşkın ŞEN |
| Introduction to Medical Genetics |
| 2.Week  10-14.02.2025 | Gene Mutations | Dr. Öğr. Üyesi Deniz EROL |
| Gene Mutations |
| 3.Week  17-21.02.2025 | Physical and Chemical Mutagens | Dr. Öğr. Üyesi Deniz EROL |
| DNA Repair Mechanisms |
| 4. Week  24-28.02.2025 | Cytogenetic Techniques, Chromosome Handling | Dr. Öğr. Üyesi Deniz EROL |
| ISCN System, Karyotype Software |
| 5. Week  03-07.03.2025 | Numerical Chromosome Mutations | Dr. Öğr. Üyesi Aşkın ŞEN |
| Numerical Chromosome Mutations |
| 6. Week  10-14.03.2025 | Structural Chromosome Mutations | Dr. Öğr. Üyesi Aşkın ŞEN |
| Structural Chromosome Mutations |
| 7. Week  17-21.03.2025 | Chromosome Deletion Syndromes | Dr. Öğr. Üyesi Aşkın ŞEN |
| Sex Chromosome Diseases |
| 8. Week  24-28.03.2025 | Autosomal Chromosome Diseases | Dr. Öğr. Üyesi Aşkın ŞEN |
| Autosomal Chromosome Diseases |
| 9. Week  31.03-04.04.2025 | Population Genetics | Dr. Öğr. Üyesi Deniz EROL |
| Mendelian Inheritance Models |
| 10. Week  07-11.04.2025 | Mendelian Inheritance Models | Dr. Öğr. Üyesi Deniz EROL |
| Mendelian Inheritance Models |
| 11. Week  14-18.04.2025 | **MIDTERM EXAM WEEK** | |
| 12. Week  21-25.04.2025 | **MIDTERM EXAM WEEK** | |
| 13. Week  28.04-02.05.2025 | Molecular Cytogenetic Techniques | Dr. Öğr. Üyesi Deniz EROL |
| Molecular Genetic Techniques |
| 14. Week  05-09.05.2025 | Non-Mendelian Inheritance | Dr. Öğr. Üyesi Aşkın ŞEN |
| Multifactorial Inheritance |
| 15. Week  12-16.05.2025 | Mitochondrial Inheritance | Dr. Öğr. Üyesi Aşkın ŞEN |
| Immunogenetics |
| 16. Week  19-23.05.2025 | Biochemical Genetics | Dr. Öğr. Üyesi Aşkın ŞEN |
| Pharmacogenetics |
| 17. Week  26-30.05.2025 | Genetic Counseling | Dr. Öğr. Üyesi Aşkın ŞEN |
| Genetic Counseling |
| **30.05.2025** | **END OF TERM** | |