**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.Week03-07.02.2025 | Introduction to Medical Genetics  | Dr. Öğr. Üyesi Aşkın ŞEN |
| Introduction to Medical Genetics  |
| 2.Week10-14.02.2025 | Gene Mutations  | Dr. Öğr. Üyesi Deniz EROL |
| Gene Mutations  |
| 3.Week17-21.02.2025 | Physical and Chemical Mutagens  | Dr. Öğr. Üyesi Deniz EROL |
| DNA Repair Mechanisms  |
| 4. Week24-28.02.2025 | Cytogenetic Techniques, Chromosome Handling | Dr. Öğr. Üyesi Deniz EROL |
| ISCN System, Karyotype Software  |
| 5. Week03-07.03.2025 | Numerical Chromosome Mutations  | Dr. Öğr. Üyesi Aşkın ŞEN |
| Numerical Chromosome Mutations  |
| 6. Week10-14.03.2025 | Structural Chromosome Mutations  | Dr. Öğr. Üyesi Aşkın ŞEN |
| Structural Chromosome Mutations  |
| 7. Week17-21.03.2025 | Chromosome Deletion Syndromes  | Dr. Öğr. Üyesi Aşkın ŞEN |
| Sex Chromosome Diseases  |
| 8. Week24-28.03.2025 | Autosomal Chromosome Diseases  | Dr. Öğr. Üyesi Aşkın ŞEN |
| Autosomal Chromosome Diseases  |
| 9. Week31.03-04.04.2025 | Population Genetics  | Dr. Öğr. Üyesi Deniz EROL |
| Mendelian Inheritance Models  |
| 10. Week07-11.04.2025 | Mendelian Inheritance Models  | Dr. Öğr. Üyesi Deniz EROL |
| Mendelian Inheritance Models  |
| 11. Week14-18.04.2025 | **MIDTERM EXAM WEEK** |
| 12. Week21-25.04.2025 | **MIDTERM EXAM WEEK** |
| 13. Week28.04-02.05.2025 | Molecular Cytogenetic Techniques  | Dr. Öğr. Üyesi Deniz EROL |
| Molecular Genetic Techniques  |
| 14. Week05-09.05.2025 | Non-Mendelian Inheritance  | Dr. Öğr. Üyesi Aşkın ŞEN |
| Multifactorial Inheritance |
| 15. Week12-16.05.2025 | Mitochondrial Inheritance  | Dr. Öğr. Üyesi Aşkın ŞEN |
| Immunogenetics |
| 16. Week19-23.05.2025 | Biochemical Genetics  | Dr. Öğr. Üyesi Aşkın ŞEN |
| Pharmacogenetics  |
| 17. Week26-30.05.2025 | Genetic Counseling  | Dr. Öğr. Üyesi Aşkın ŞEN |
| Genetic Counseling  |
| **30.05.2025** | **END OF TERM** |