**FIRAT UNIVERSITY FACULTY OF DENTISTRY COURSE SCHEDULE**

**Department : Microbiology**

**Grade : 2nd Grade**

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

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| **Week** |  |  |
| **1st Semester** | Topic | Lecturer |
| 1.Week  23-27.09.2024 | Introduction to microbiology and its history  Classification of microorganisms | Dr.Öğ.Üy. Nuray ARI  Dr.Öğ.Üy. Nuray ARI |
| 2.Week  30.09-04.10.2024 | Structural features of the bacterial cell  Bacterial metabolism | Dr.Öğ.Üy. Sümeyra KAYALI  Dr.Öğ.Üy. Sümeyra KAYALI |
| 3.Week  07-11.10.2024 | Bacterial genetics and mutations  Pathogenesis of bacterial infections | Dr.Öğ.Üy. Sümeyra KAYALI Dr.Öğ.Üy. Sümeyra KAYALI |
| 4.Week  14-18.10.2024 | Basic immunology  Basic immunology | Prof.Dr.Yasemin ÜSTÜNDAĞ  Prof.Dr.Yasemin ÜSTÜNDAĞ |
| 5.Week  21-25.10.2024 | Oral ecology  Microorganism-host relationship | Dr.Öğ.Üy. Sümeyra KAYALI  Dr.Öğ.Üy. Nuray ARI |
| 6.Week  28.10-01.11.2024 | Bacteria-bacteria relationship  Adhesion of bacteria | Dr.Öğ.Üy. Nuray ARI  Dr.Öğ.Üy. Nuray ARI |
| 7.Week  04-08.11.2024 | Microscope and types used in microbiology  Microscopic examination and staining methods | Dr.Öğ.Üy. Nuray ARI  Dr.Öğ.Üy. Nuray ARI |
| 8.Week  11-15.11.2024 | Media used for the growth of bacteria  Microbiological examination of the mouth - sampling | Dr.Öğ.Üy. Sümeyra KAYALI  Dr.Öğ.Üy. Sümeyra KAYALI |
| 9.Week  18-22.11.2024 | Microbiological examination of the mouth - culture and methods  Microbiological examination of the mouth - microorganism identification methods | Dr.Öğ.Üy. Sümeyra KAYALI  Dr.Öğ.Üy. Sümeyra KAYALI |
| 10.Week  25-29.11.2024 | Antibiotics and mechanisms of action  Antibiotic resistance and resistance mechanisms | Dr.Öğ.Üy. Sümeyra KAYALI  Dr.Öğ.Üy. Sümeyra KAYALI |
| 11.Week  02-06.12.2024 | Principles of sterilization and disinfection  Disinfection in the prosthesis laboratory | Dr.Öğ.Üy. Nuray ARI  Dr.Öğ.Üy. Nuray ARI |
| 12.Week  09-13.12.2024 | **MIDTERM EXAM WEEK** | |
| 13.Week  16-20.12.2024 | **MIDTERM EXAM WEEK** | |
| 14.Week  23-27.12.2024 | Hygiene in the dental clinic  Contamination of dental unit water systems | Dr.Öğ.Üy. Sümeyra KAYALI Dr.Öğ.Üy. Sümeyra KAYALI |
| 15.Week  31.12.2024-03.01.2025 | First precautions in case of blood contact  Introduction to mycology | Dr.Öğ.Üy. Sümeyra KAYALI  Prof.Dr.Zülal AŞÇI TORAMAN |
| 16.Week  06-10.01.2025 | General characteristics of fungi  Mycological diagnosis of fungal infections | Prof.Dr.Zülal AŞÇI TORAMAN  Prof.Dr.Zülal AŞÇI TORAMAN |
| 17.Week  13-17.01.2025 | Introduction to basic virology, structural properties and classification of viruses  Virus-host relationship, production of viruses | Prof.Dr.Yasemin ÜSTÜNDAĞ  Prof.Dr.Yasemin ÜSTÜNDAĞ |
| **17.01.2025** | **END OF TERM** | |

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| **2.Dönem** | **Konu** | **Dersi veren öğretim üyesi** |
| 1.Week  03-07.02.2025 | Replication of viruses  Replication of viruses | Prof.Dr.Yasemin ÜSTÜNDAĞ  Prof.Dr.Yasemin ÜSTÜNDAĞ |
| 2.Week  10-14.02.2025 | Virus genetics  Routes of entry of viruses into the host, their spread and pathogenesis | Prof.Dr.Yasemin ÜSTÜNDAĞ  Prof.Dr.Yasemin ÜSTÜNDAĞ |
| 3.Week  17-21.02.2025 | Immune response mechanisms against viruses  Escape from immune response in viruses | Prof.Dr.Yasemin ÜSTÜNDAĞ  Prof.Dr.Yasemin ÜSTÜNDAĞ |
| 4. Week  24-28.02.2025 | Prevention of viral infections  Antiviral drugs used in viral infections | Prof.Dr.Yasemin ÜSTÜNDAĞ  Prof.Dr.Yasemin ÜSTÜNDAĞ |
| 5. Week  03-07.03.2025 | Drug resistance in viral infections  Diagnostic methods in viral infections | Prof.Dr.Yasemin ÜSTÜNDAĞ  Prof.Dr.Yasemin ÜSTÜNDAĞ |
| 6. Week  10-14.03.2025 | Viral agents in oral microbiology  Viral agents in oral microbiology | Prof.Dr.Yasemin ÜSTÜNDAĞ  Prof.Dr.Yasemin ÜSTÜNDAĞ |
| 7. Week  17-21.03.2025 | Viral agents in oral microbiology  Viral agents in oral microbiology | Prof.Dr.Yasemin ÜSTÜNDAĞ  Prof.Dr.Yasemin ÜSTÜNDAĞ |
| 8. Week  24-28.03.2025 | Viral agents in oral microbiology  Viral agents in oral microbiology | Prof.Dr.Yasemin ÜSTÜNDAĞ  Prof.Dr.Yasemin ÜSTÜNDAĞ |
| 9. Week  31.03-04.04.2025 | Fungal agents in oral microbiology  Fungal agents in oral microbiology | Prof.Dr.Zülal AŞÇI TORAMAN  Prof.Dr.Zülal AŞÇI TORAMAN |
| 10. Week  07-11.04.2025 | Fungal agents in oral microbiology  Bacterial agents in oral microbiology | Prof.Dr.Zülal AŞÇI TORAMAN  Dr.Öğ.Üy. Sümeyra KAYALI |
| 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 | Bacterial agents in oral microbiology  Bacterial agents in oral microbiology | Dr.Öğ.Üy. Sümeyra KAYALI  Dr.Öğ.Üy. Sümeyra KAYALI |
| 14. Week  05-09.05.2025 | Bacterial agents in oral microbiology  Bacterial agents in oral microbiology | Dr.Öğ.Üy. Sümeyra KAYALI  Dr.Öğ.Üy. Sümeyra KAYALI |
| 15. Week  12-16.05.2025 | Bacterial agents in oral microbiology  Bacterial agents in oral microbiology | Dr.Öğ.Üy. Sümeyra KAYALI  Dr.Öğ.Üy. Nuray ARI |
| 16. Week  19-23.05.2025 | Bacterial agents in oral microbiology  Bacterial agents in oral microbiology | Dr.Öğ.Üy. Nuray ARI  Dr.Öğ.Üy. Nuray ARI |
| 17. Week  26-30.05.2025 | Bacterial agents in oral microbiology  Bacterial agents in oral microbiology | Dr.Öğ.Üy. Nuray ARI  Dr.Öğ.Üy. Nuray ARI |
| **30.05.2025** | **END OF TERM** | |