**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.Week23-27.09.2024 | Introduction to microbiology and its historyClassification of microorganisms | Dr.Öğ.Üy. Nuray ARIDr.Öğ.Üy. Nuray ARI |
| 2.Week30.09-04.10.2024 | Structural features of the bacterial cellBacterial metabolism | Dr.Öğ.Üy. Sümeyra KAYALIDr.Öğ.Üy. Sümeyra KAYALI |
| 3.Week07-11.10.2024 | Bacterial genetics and mutationsPathogenesis of bacterial infections | Dr.Öğ.Üy. Sümeyra KAYALI Dr.Öğ.Üy. Sümeyra KAYALI |
| 4.Week14-18.10.2024 | Basic immunologyBasic immunology | Prof.Dr.Yasemin ÜSTÜNDAĞProf.Dr.Yasemin ÜSTÜNDAĞ |
| 5.Week21-25.10.2024 | Oral ecologyMicroorganism-host relationship | Dr.Öğ.Üy. Sümeyra KAYALIDr.Öğ.Üy. Nuray ARI |
| 6.Week28.10-01.11.2024 | Bacteria-bacteria relationshipAdhesion of bacteria | Dr.Öğ.Üy. Nuray ARIDr.Öğ.Üy. Nuray ARI |
| 7.Week04-08.11.2024 | Microscope and types used in microbiologyMicroscopic examination and staining methods | Dr.Öğ.Üy. Nuray ARIDr.Öğ.Üy. Nuray ARI |
| 8.Week11-15.11.2024 | Media used for the growth of bacteriaMicrobiological examination of the mouth - sampling | Dr.Öğ.Üy. Sümeyra KAYALIDr.Öğ.Üy. Sümeyra KAYALI |
| 9.Week18-22.11.2024 | Microbiological examination of the mouth - culture and methodsMicrobiological examination of the mouth - microorganism identification methods | Dr.Öğ.Üy. Sümeyra KAYALIDr.Öğ.Üy. Sümeyra KAYALI |
| 10.Week25-29.11.2024 | Antibiotics and mechanisms of actionAntibiotic resistance and resistance mechanisms | Dr.Öğ.Üy. Sümeyra KAYALIDr.Öğ.Üy. Sümeyra KAYALI |
| 11.Week02-06.12.2024 | Principles of sterilization and disinfection Disinfection in the prosthesis laboratory | Dr.Öğ.Üy. Nuray ARIDr.Öğ.Üy. Nuray ARI |
| 12.Week09-13.12.2024 | **MIDTERM EXAM WEEK** |
| 13.Week16-20.12.2024 | **MIDTERM EXAM WEEK** |
| 14.Week23-27.12.2024 | Hygiene in the dental clinicContamination of dental unit water systems | Dr.Öğ.Üy. Sümeyra KAYALI Dr.Öğ.Üy. Sümeyra KAYALI |
| 15.Week31.12.2024-03.01.2025 | First precautions in case of blood contactIntroduction to mycology | Dr.Öğ.Üy. Sümeyra KAYALIProf.Dr.Zülal AŞÇI TORAMAN |
| 16.Week06-10.01.2025 | General characteristics of fungiMycological diagnosis of fungal infections | Prof.Dr.Zülal AŞÇI TORAMANProf.Dr.Zülal AŞÇI TORAMAN |
| 17.Week13-17.01.2025 | Introduction to basic virology, structural properties and classification of virusesVirus-host relationship, production of viruses | Prof.Dr.Yasemin ÜSTÜNDAĞProf.Dr.Yasemin ÜSTÜNDAĞ |
| **17.01.2025** | **END OF TERM** |

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| **2.Dönem** | **Konu** | **Dersi veren öğretim üyesi** |
| 1.Week03-07.02.2025 | Replication of virusesReplication of viruses | Prof.Dr.Yasemin ÜSTÜNDAĞProf.Dr.Yasemin ÜSTÜNDAĞ |
| 2.Week10-14.02.2025 | Virus geneticsRoutes of entry of viruses into the host, their spread and pathogenesis | Prof.Dr.Yasemin ÜSTÜNDAĞProf.Dr.Yasemin ÜSTÜNDAĞ |
| 3.Week17-21.02.2025 | Immune response mechanisms against virusesEscape from immune response in viruses | Prof.Dr.Yasemin ÜSTÜNDAĞProf.Dr.Yasemin ÜSTÜNDAĞ |
| 4. Week24-28.02.2025 | Prevention of viral infectionsAntiviral drugs used in viral infections | Prof.Dr.Yasemin ÜSTÜNDAĞProf.Dr.Yasemin ÜSTÜNDAĞ |
| 5. Week03-07.03.2025 | Drug resistance in viral infectionsDiagnostic methods in viral infections | Prof.Dr.Yasemin ÜSTÜNDAĞProf.Dr.Yasemin ÜSTÜNDAĞ |
| 6. Week10-14.03.2025 | Viral agents in oral microbiologyViral agents in oral microbiology | Prof.Dr.Yasemin ÜSTÜNDAĞProf.Dr.Yasemin ÜSTÜNDAĞ |
| 7. Week17-21.03.2025 | Viral agents in oral microbiologyViral agents in oral microbiology | Prof.Dr.Yasemin ÜSTÜNDAĞProf.Dr.Yasemin ÜSTÜNDAĞ |
| 8. Week24-28.03.2025 | Viral agents in oral microbiologyViral agents in oral microbiology | Prof.Dr.Yasemin ÜSTÜNDAĞProf.Dr.Yasemin ÜSTÜNDAĞ |
| 9. Week31.03-04.04.2025 | Fungal agents in oral microbiologyFungal agents in oral microbiology | Prof.Dr.Zülal AŞÇI TORAMANProf.Dr.Zülal AŞÇI TORAMAN |
| 10. Week07-11.04.2025 | Fungal agents in oral microbiologyBacterial agents in oral microbiology | Prof.Dr.Zülal AŞÇI TORAMANDr.Öğ.Üy. Sümeyra KAYALI |
| 11. Week14-18.04.2025 | **MIDTERM EXAM WEEK** |
| 12. Week21-25.04.2025 | **MIDTERM EXAM WEEK** |
| 13. Week28.04-02.05.2025 | Bacterial agents in oral microbiologyBacterial agents in oral microbiology | Dr.Öğ.Üy. Sümeyra KAYALIDr.Öğ.Üy. Sümeyra KAYALI |
| 14. Week05-09.05.2025 | Bacterial agents in oral microbiologyBacterial agents in oral microbiology | Dr.Öğ.Üy. Sümeyra KAYALIDr.Öğ.Üy. Sümeyra KAYALI |
| 15. Week12-16.05.2025 | Bacterial agents in oral microbiologyBacterial agents in oral microbiology | Dr.Öğ.Üy. Sümeyra KAYALIDr.Öğ.Üy. Nuray ARI |
| 16. Week19-23.05.2025 | Bacterial agents in oral microbiologyBacterial agents in oral microbiology | Dr.Öğ.Üy. Nuray ARIDr.Öğ.Üy. Nuray ARI |
| 17. Week26-30.05.2025 | Bacterial agents in oral microbiologyBacterial agents in oral microbiology | Dr.Öğ.Üy. Nuray ARIDr.Öğ.Üy. Nuray ARI |
| **30.05.2025** | **END OF TERM** |