

2nd semester of the academic year 2024-2025 – Tehran

Title of the Course: Medical Microbiology

Course's Coordinator: Dr.

Jabalameh

Session	Course Topics	Date	Time	Lecturer
1	Classification of Microorganisms, Microbial Cell Structure and Function	2025.02.16	13- 15	Dr. Siroosi
2	Mechanisms of Microbial Pathogenesis and Normal Human Microbiota	2025.02.17	13- 15	Dr. Siroosi
3	Sterilization, Disinfection, and Antisepsis	2025.02.23	13- 15	Dr. Siroosi
4	Microbial Growth, Cultivation, Metabolism, Genetics	2025.02.24	13- 15	Dr. Siroosi
5	Structure, Classification and Pathogenesis of Virus	2025.03.02	13- 15	Dr. Sadeghi
6	Antibacterial agents	2025.03.03	13- 15	Dr. Jabalameh
7	Antiviral agents and infection control & Vaccine	2025.03.09	13- 15	Dr. Sadeghi
8	Staphylococcus and Related Gram-Positive Cocci	2025.03.10	13- 15	Dr. Beigverdi
9	Streptococcus and Enterococcus	2025.04.06	13- 15	Dr. Beigverdi
10	Human Herpesviruses	2025.04.07	13- 15	Dr. Halimi
11	Neisseria and Related Genera,	2025.04.13	13- 15	Dr. Beigverdi
12	Papillomaviruses and Polyomaviruses	2025.04.14	13- 15	Dr. Halimi
13	Bacillus and Anaerobic Gram-Negative Rod	2025.04.20	13- 15	Dr. Jabalameh
14	Clostridium	2025.04.21	13- 15	Dr. Feizabadi
15	Corynebacterium, Listeria and Related Gram-Positive Bacteria	2025.04.27	13- 15	Dr. Jabalameh
16	Mycobacterium and Related Acid-Fast Bacteria	2025.04.28	13- 15	Dr. Feizabadi
17	Nocardia, Rhodococcus, and Actinomyces	2025.05.04	13- 15	Dr. Feizabadi
18	Poxviruses, Orthomyxoviruses, and Rhabdoviruses	2025.05.05	13- 15	Dr. Sadeghi

19	Enterobacteriaceae	2025.05.11	13- 15	Dr. Beigverdi
20	Vibrio and Related Bacteria, Campylobacter and Helicobacter	2025.05.12	13- 15	Dr. Halimi
21	Pseudomonas and Related Bacteria	2025.05.18	13- 15	Dr. Jabalameli
22	Haemophilus and Related Bacteria	2025.05.19	13- 15	Dr. Jabalameli
23	Treponema, Borrelia and Leptospira	2025.05.25	13- 15	Dr. Beigverdi
24	Paramyxoviruses, Togaviruses, and Reoviruses	2025.05.26	13- 15	Dr. Sadeghi
25	Picornaviruses, Coronaviruses and Noroviruses	2025.06.01	13- 15	Dr. Bahador
26	Parvoviruses, Adenoviruses	2025.06.02	13- 15	Dr. Sadeghi
27	Hepatitis viruses, Retroviruses	2025.06.08	13- 15	Dr. Halimi
28	Miscellaneous Gram-Negative Rods (Bordetella, Francisella, Brucella and Legionella)	2025.06.09	13- 15	Dr. Bahador
29	Mycoplasma, Rickettsia, Chlamydia	2025.06.15	13- 15	Dr. Bahador

Bacteriology lesson topics in the Midterm Exam

No.	Title	Teacher
1	Classification of Microorganisms, Microbial Cell Structure and Function	Dr. Siroosi
2	Mechanisms of Microbial Pathogenesis and Normal Human Microbiota	Dr. Siroosi
3	Sterilization, Disinfection, and Antisepsis	Dr. Siroosi
4	Microbial Growth, Cultivation, Metabolism, Genetics	Dr. Siroosi
5	Antibacterial agents	Dr. Jabalameli
6	Staphylococcus and Related Gram-Positive Cocci	Dr. Beigverdi
7	Streptococcus and Enterococcus	Dr. Beigverdi
8	Neisseria and Related Genera,	Dr. Beigverdi
9	Bacillus and Anaerobic Gram-Negative Rod	Dr. Jabalameli
10	Clostridium	Dr. Feizabadi

Bacteriology lesson topics in the Final Exam		
No.	Title	Teacher
1	Corynebacterium, Listeria and Related Gram-Positive Bacteria	Dr. Jabalameli
2	Mycobacterium and Related Acid-Fast Bacteria	Dr. Feizabadi
3	Nocardia, Rhodococcus, and Actinomyces	Dr. Feizabadi
4	Enterobacteriaceae	Dr. Beigverdi
5	Vibrio and Related Bacteria, Campylobacter and Helicobacter	Dr. Halimi
6	Pseudomonas and Related Bacteria	Dr. Jabalameli
7	Haemophilus and Related Bacteria	Dr. Jabalameli
8	Treponema, Borrelia and Leptospira	Dr. Beigverdi
9	Mycoplasma, Rickettsia, Chlamydia	Dr. Bahador
10	Miscellaneous Gram-Negative Rods (Bordetella, Francisella, Brucella and Legionella)	Dr. Bahador

Virology Lesson Topics in the Exam		
No.	Title	Teacher
1	<i>Structure, Classification and Pathogenesis of Virus</i>	Dr. Sadeghi
2	<i>Antiviral agents and infection control & Vaccine</i>	Dr. Sadeghi
3	<i>Human Herpesviruses</i>	Dr. Halimi
4	<i>Papillomaviruses and Polyomaviruses</i>	Dr. Halimi
5	<i>Poxviruses, Orthomyxoviruses, and Rhabdoviruses</i>	Dr. Sadeghi
6	<i>Paramyxoviruses, Togaviruses, and Reoviruses</i>	Dr. Sadeghi
7	<i>Picornaviruses, Coronaviruses and Noroviruses</i>	Dr. Bahador
8	<i>Parvoviruses, Adenoviruses</i>	Dr. Sadeghi
9	<i>Hepatitis viruses, Retroviruses</i>	Dr. Halimi

2nd Semester of the Academic Year 2024-2025 (Tehran)Title of the Course: **Practical Medical Microbiology**Course's Coordinator: **Dr. Emaneini**Number of the Credits: **1****Group:1**

Session	Course Topics	Date	Time	Lecturer	On campus	Virtual
1	Laboratory Safety, Sterilization, Culture media, Bacterial Cultivation, Specimen Collection	19 APR 2025	8:30-10	Dr. Emaneini	*	
2	Bacterial staining	21 APR	8:30-10	Dr. Emaneini	*	
3	Endospore staining	26 APR	8:30-10	Dr. Emaneini	*	
4	Identification of Bacteria (Staphylococci)	28 APR	8:30-10	Dr. Emaneini	*	
5	Antimicrobial Susceptibility Testing	3 MAY	8:30-10	Dr. Emaneini	*	
6	Identification of Bacteria (Streptococci)	5 MAY	8:30-10	Dr. Emaneini	*	
7	Identification of Bacteria (Enterobacteriaceae 1)	10 MAY	8:30-10	Dr. Emaneini	*	
8	Identification of Bacteria (Enterobacteriaceae 2)	12 MAY	8:30-10	Dr. Emaneini	*	
9	Review, Practical Exam	17 MAY	8:30	Dr. Emaneini	*	
10	Exam	19 MAY	8:30	Dr. Emaneini	*	

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8	Identification of Bacteria (Enterobacteriaceae 2)	12 MAY	10-11:30	Dr. Emaneini	*	
9	Review, Practical Exam	17 MAY	8:30	Dr. Emaneini	*	
10	Exam	19 MAY	8:30	Dr. Emaneini	*	