



Vice Chancellor for Education, Ahvaz University of Medical Sciences

Educational development center (Thematic plan)

Course ID and Course Unit Schedule

Course Title: Medical Theoretical Bacteriology for International Medical students Level of Study: 4rd Semester Faculty: Ahvaz Jundishapur University of Medical Sciences, Faculty of Medicine. Course Code: 3021058 Academic Year: 1404-1405 (Year 2025-2026) Prerequisite: Biochemistry, Anatomy, physiology Number of Units: 2.4 Units Academic Semester: First Half Year 1404-1405 Amount of Units Separately: 0.8 Units Theory Group of Instructors: Dr. Effat Abbasi Montazeri, Dr. Mansour Amin, Dr. Ahmad Frajzadeh Day and Time of Course: Saturday 10-12 and Tuesday 12-2, Class 224
Professor in Charge: Dr. Effat Abbasi Montazeri Email: ea1347@yahoo.com Office Hours: Saturday to Wednesday from 8 AM to 4 PM
Goals: To familiarize students with the concepts, terminology, classification, structure and pathogenesis of bacterial infection. The student should also have the ability to know methods of evaluation, treatment and control of bacterial infection.
Specific Objectives: 1- Explain the basic concepts of classification ,structure, genetic and metabolism of bacteria 2- Explain the pathogenesis of bacterial infection 3- Explain the basic concepts of identification and diagnosis of bacterial infection 4- Explain the application of treatment and control of bacterial infection
Course Description: After completing this unit, students will learn the concepts, terminology, pathogenesis, diseases and methods of treatment and control of bacterial infection.

No.	Date *Iranian calendar	Topics	Lecturer Professor
		Fundamentals of Microbiology	
1	Saturday *(1404/07/19)	Microbial classification-Bacterial structure1	Dr. Abbasi
2	Teusday * 404 /07 /22	Bacterial structure2; cell membrane and cell wall (Gram positive bacteria)	Dr. Abbasi
3	Saturday * 404 /07 /26	cell membrane and cell wall (Gram Negative bacteria)	Dr. Abbasi



4	Teusday * 404/07/29	Disinfection & Antibiotics	Dr. Abbasi
5	Saturday * 404 /08 /3	Bacterial appendices	Dr. Amin
6	Tuesday * 404/08 /6	Bacterial Genetics	Dr. Amin
7	Saturday * 404/08 /10	Bacterial Growth, & Metabolism	Dr. Amin
8	Tuesday * 1404/ /08 /13	Microbial – Host relationship	Dr. Amin
Systematic bacteriology			
9	Saturday * (1404/8/17)	Gram positive cocci: Staphylococci	Dr. Abbasi
10	Tuesday * (1404/8 /20	Gram positive cocci: Streptococci	Dr. Abbasi
11	Saturday * (1404/08/24)	Gram negative cocci: Neisseriae	Dr. Abbasi
12	Tuesday * (1404/08/27)	Vibrionaceae (Vibrios)	Dr. Abbasi
13	Saturday * (1404/09/1)	Spore-forming Gram positive bacilli: Bacillus	Dr. Amin
14	Tuesday * (1404/09/4)	Anaerobic Spore-forming Gram positive bacilli: Clostridia	Dr. Amin
15	Saturday * (1404/09/8)	Enteric Gram negative bacilli: Enterobacteriaceae	Dr. Amin
16	Tuesday * (1404/09/11)	Non-fermentative Gram negative bacilli: Pseudomonaceae	Dr. Amin
17	Saturday * (1404/09/15)	Campylobacter, Helicobacter	Dr. Abbasi
18	Tuesday * (1404/09/18)	Haemophilus, Brucella, Bordetella, Legionella	Dr. Abbasi
19	Saturday * (1404/09/22)	Mycobacteria (Tuberculosis)	Dr. Abbasi
20	Tuesday * (1404/09/25)	Mycobacteria (Leprosy)	Dr. Abbasi
21	Saturday * (1404/09/29)	Aerobic Non-Spore-forming Gram positive bacilli: Corynebacteria	Dr. Amin
22	Tuesday * (1404/10/2)	Spirochetes (Treponema, Borrelia, Leptospira)	Dr. Amin
23	Saturday* (1404/10/6)	Chlamydia, Mycoplasma.	Dr. Amin

Student assignments:

Course unit evaluation method:

Midterm exam score: 50 percent

Final exam: 50 percent



Main sources of lessons and approved by the Ministry:

1. Medical Microbiology, Jawetz, Brooks, Carroll, Butel, et al. 2023
2. Medical Microbiology, Patrick R. Murray 2021