



Tishk
International University

Faculty of Applied Science
Medical Analysis Department

Course Descriptions



The course implies theoretical and practical Medical Bacteriology

1. Overview of Pathogenic Microorganisms – List of common pathogenic bacteria.
2. Virulence of bacteria, bacterial virulence factors and their regulation (exotoxin, endotoxin, and their contribution to pathogenesis).
3. Infection process (development, and outcomes)
4. Nosocomial infections and their prevention
5. Infection-Sources of infection, method of infection transmission of, factors predisposing to microbial pathogenicity, types of infectious diseases.
6. Gram-positive pathogens Staphylococcus ,Streptococcus , Corynebacterium Clostridium..... Gram negative pathogens Neisseria, E.coli, Klebsiella, Proteus, Salmonella, Shigella, Vibrio, Yersinia, Acid fast bacteria-Mycobacterium tuberculosis and M.lepreae, Leptospira, Treponema. Mycoplasma. Chlamydia. Helicobacter and Campylobacter. Other important anaerobic pathogens.

MA 405 / MEDICAL BACTERIOLOGY