

CODE BSPH-203 FUNDAMENTAL PRINCIPLES OF INFECTIOUS DISEASES

Course Objectives:

After studying this course, you should be able to:

- i. Understand natural history of disease,
- ii. List the common infectious diseases of public health importance
- iii. Describe the global and national impact of common communicable diseases
- iv. Discuss the strategies of control of common communicable diseases in Pakistan

Course Content:

1. Infection, Contamination, Pollution, Infestation, Infectious Disease, Communicable Disease, Contagious Disease
2. Host, Immune and Susceptible Person
3. Sporadic, Endemic, Epidemic, Pandemic, Epizootic, Exotic and Zoonotic
4. Contact, Fomites, Carriers, Vectors and Reservoir of Infection
5. Incubation, Infective, Prodromal Period and Generation Time
6. Cross Infection, Nosocomial, Opportunistic Infection and Iatrogenic Disorders
7. Surveillance, Eradication and Elimination
8. Reservoir and Source of Infections
9. Escape of Organism, Mode of Transmission, Entry Into the Body, Susceptible Host and Host Defenses (Immunity)
10. Controlling the Reservoir, Early Diagnosis and Treatment, Isolation, Quarantine, Disinfection Interruption of Transmission

Recommended Books:

1. Disease Control Priorities, Third Edition (Volume 6): Major Infectious Diseases King K. Holmes, Stefano Bertozzi, Barry R. Bloom, Prabhat Jha 2017.
2. Modern Infectious Disease Epidemiology Johan Giesecke 2017.
3. Essential Epidemiology: An Introduction for Students and Health Professionals by Penny Webb, Chris Bain 2011.
4. Mendel, Douglas, Bennets. Principles and Practices of Infectious Diseases.
5. Nelson KE. Epidemiology of Infectious diseases. General Principles. Jones and Barlet Publishers England