

Course Title: Foundations of Medical Sciences

Course Duration: 2 Weeks

Overview:

This intensive course introduces core medical subjects essential for first- and second-year medical students. It provides foundational knowledge to support further clinical learning and board exam preparation.

Topics Covered:

1. Human Anatomy & Physiology

- Overview of major organ systems: cardiovascular, respiratory, gastrointestinal, and musculoskeletal
- Cellular and tissue organization
- Functional relationships and physiological regulation

2. General Pathology & Disease Mechanisms

- Principles of inflammation, necrosis, and cellular injury
- Introduction to neoplasia and genetic disorders
- Disease progression and basic diagnostic criteria

3. Medical Microbiology & Immunology

- Classification and characteristics of bacteria, viruses, fungi, and parasites
- Innate and adaptive immune responses
- Host-pathogen interactions and basics of vaccination

Assessment:

Students will be evaluated through a written test covering lecture material and assigned readings. Weekly quizzes will assess understanding of core concepts.