



Jordan University of Science and Technology
Faculty of Medicine
Public Health Department

PH762 Epidemiology Of Communicable Diseases

First Semester 2021-2022

Course Catalog

2 Credit Hours. This course is designed to introduce the student to the field of infectious disease epidemiology. The course will discuss the terms and methods usually employed in the investigation of infectious diseases, and the epidemiologic aspects of a number of diseases of theoretical or public health importance. At the end of the course, students should have the basic skills in the investigation of epidemics of infectious diseases and the methods used to identify new diseases and their determinants. Also, they should have a basic knowledge of the epidemiologic aspects of a number of infectious diseases including size of the problem, geographical distribution, changing patterns, modes of transmission, and methods of control. Meetings will be held once weekly on Sundays 11:30 am -1:30. Meetings will involve lectures, discussions, and presentation of published research papers on relevant topics. Students will be asked to prepare topics and present the papers

Text Book

Title	Control of communicable diseases manual: an official report of the APHA.
Author(s)	James Chin
Edition	17th Edition
Short Name	Ref #1
Other Information	

Instructor

Name	Prof. Anwar Batieha
Office Location	02 7201000
Office Hours	
Email	batieha@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Sun : 11:30 - 13:30

Room: LAB

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Introduction to infectious diseases, Interaction of agent, host, and environment, disease spectrum, definition of terms: infectivity, pathogenicity, virulence, carrier state, secondary attack rate	From Ref #1
Week 2	Modes of transmission, reservoirs and sources of infection, epidemics, basal reproduction rate, herd immunity, etiological agents	From Ref #1
Week 3	Methods of investigation of infectious diseases: Cross-sectional studies, cohort studies, case-control studies, and experimental studies	
Week 4	Surveillance, COVID-19	From Ref #1
Week 5	Application of the methods to selected diseases: Toxic shock syndrome, Reye's syndrome, Legionnaire's disease, and Lyme disease	From Ref #1
Week 6	Epidemiology of influenza and upper respiratory tract infection	From Ref #1
Week 7	Nosocomial infections, Hepatitis	From Ref #1
Week 8	Diarrheal diseases	From Ref #1
Week 9	Sexually transmitted diseases	From Ref #1
Week 10	Measles, poliomyelitis, mumps, chicken pox	From Ref #1
Week 11	German measles, rabies, tuberculosis	From Ref #1
Week 12	Malaria, typhoid fever, cholera	From Ref #1
Week 13	Disease eradication, slow viral diseases	From Ref #1
Week 14	Overview of the course, discussion	From Ref #1