



## South Central Public Health Partnership

### TRAINING PROFESSIONALS TO PROTECT THE PUBLIC

<http://lms.southcentralpartnership.org/scphp>

## Bioterrorism Preparedness: Infectious Disease Transmission Dynamics

**Instructor:** Hussain R Usman, MD, MS, DrPH Student

### Course Description

This course will introduce participants to basic concepts and terminology of infectious disease transmission dynamics. Course topics include: transmission dynamics of infectious diseases; identification of the main reservoirs, sources, ports of entry, and ports of exit of human pathogens; the relations between microorganisms and humans; the routes of infectious disease transmission; emerging vector-borne infections; emerging and reemerging sexually transmitted diseases; foodborne and waterborne diseases; and the implications of food supply globalization on the emerging infections.

### Learning Objectives

- Describe the transmission dynamics of infectious diseases
- Identify the main reservoirs, sources, ports of entry, and ports of exits of human pathogens
- Understand the complexity and dynamic nature of the relations between microorganisms and humans
- Understand the routes of infectious disease transmission
- Be familiar with emerging vector-borne infections
- Be acquainted with emerging and re-emerging sexually transmitted diseases
- Be familiar with foodborne and waterborne diseases

**Preparedness & Response Core Competencies** *\*Public Health Preparedness & Response Core Competency Model*

- 3.1: Contribute expertise to a community hazard vulnerability analysis (HVA).

*To register for this course visit us at*  
[\*http://lms.southcentralpartnership.org\*](http://lms.southcentralpartnership.org)