

## INTRODUCTION:

Certified Infection Management Professional (CIMP) certificate program is offered by **PIQC Institute of Quality** in collaboration with **Dow University of Health Sciences (DUHS)**. In an interconnected world, the spread of infectious diseases is a real threat. Infection management in healthcare settings is not only crucial for patient safety but also for the overall well-being of communities, the sustainability of healthcare systems, and the advancement of global health initiatives.

This course is meticulously crafted to address the evolving landscape of infection management, ensuring participants are well-equipped to navigate the complexities of healthcare-associated infections and emerging infectious diseases. Participants will gain expertise in preventing, controlling, and mitigating infections within healthcare settings, aligning with the latest industry standards and best practices.

## LEARNING OUTCOMES:

Upon successful completion of this program, the participants will be able to:

- ✓ Apply fundamental concepts to comprehend pathogenic microorganisms and modes of transmission
- ✓ Possess a robust understanding of infectious diseases, its classifications and impact on public health
- ✓ Implement specialized infection prevention strategies for different healthcare settings
- ✓ Develop and execute plans for managing infectious disease outbreaks, demonstrating crisis communication and response skills
- ✓ Apply acquired knowledge to real-world case studies, practical exercises, and simulations in infection management

## COURSE METHODOLOGY:

Module	Topics
<b>Fundamentals of Infection Control</b>	Understanding the Basics of Infections, Principles of Infection Prevention, Standard Precautions, Transmission Based Precautions, Environmental Cleaning, Waste Management, Laundry Management, Needle Stick Injury Prevention, Sterilization and Disinfection Practices, Occupational Health
<b>Organization of Infection Control</b>	Organization of Infection Control, Infection Control KPIs, Role of Management in Infection Control, Infection Control Team and Committee Roles, Accreditation Bodies (JCIA /SHCC) Infection Control Goals, International Patient Safety Control Goals, Human Resource in Infection control
<b>Surveillance of Healthcare Associated Infections (HAIs) and Outbreak Investigation</b>	Identification and classification of Healthcare-Associated Infections (HAIs), ICU Care Bundles, Prevention of Surgical Site Infection, Surveillance and Reporting of HAIs, Outbreak Investigation and Management
<b>Infection Management In Specialized Population</b>	Infection Control in Specialized Areas (operation theater, intensive care units, surgery rooms etc.), Tailoring Infection Management strategies for different healthcare settings, Challenges and solutions in long-term care facilities, hospitals, and outpatient settings
<b>Basics of Microbiology And Emerging Infectious Diseases</b>	Basics of Microbiology, TB and Airborne Pathogens, Blood borne pathogens, Skin Infection, Infection with drug resistant organisms, Antimicrobial Resistance and Antimicrobial Stewardship
<b>Other Key Topics</b>	Current trends and innovations in Infection Management, Case studies on organizations excelling in infection control, Effective Communication and Presentation Skills
<b>Capstone Project</b>	Participants will develop a project report applying the knowledge gained throughout the course. This practical project allows participants to demonstrate their ability to create and implement effective infection control strategies in a healthcare setting

### Course Learning Methodology:

The theoretical portion of this course is reinforced by interactive lectures, presentations, hands-on practical exercises, discussion of case studies and final examination. In this respect, participants will have to carry out timely study, investigations, and assignments to grasp the subject. Discussions in the class are focused on the key points, critical thinking, experience sharing of fellow professionals and building professional maturity.

## WHO SHOULD ATTEND:

This course is ideal for doctors, nurses, hospital managers and administrators from healthcare settings such as hospitals, clinics, laboratories, or public health organizations.

## PROGRAM INSTRUCTORS:

This course is taught by highly qualified subject matter experts and healthcare professionals who possess practical knowledgeable and experience in the relevant fields.

## ELIGIBILITY REQUIREMENT:

A minimum of 1-Year Post Graduate Experience in the field of healthcare such as medicine, nursing, microbiology, public health, pharmacy, or a related discipline is recommended.

**Platform**  
Online (VILT)

**Duration**  
03 Months  
(One Class Per Week)

**Course Start Date**  
January 26<sup>th</sup>, 2025

**Day**  
Every Sunday

**Timings**  
2:00 PM to 6:00 PM PKT

### For Fees, Registration and Further Course Details:

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