



LKS Faculty of Medicine  
School of Public Health  
香港大學公共衛生學院

WHO Collaborating Centre  
for Infectious Disease Epidemiology and Control



## **Certificate Course of Infection Prevention and Control for Infection Control Professionals**

### **Important Notes:**

1. This course is designed for Infection Control Professionals including Registered Nurses (RN) and Enrolled Nurses (EN);
2. In view of COVID-19, the majority of the lectures will be conducted by Zoom;
3. Module 6 - Lab Training and Simulation Training and the Examination will be conducted in person in the teaching venue;
4. Teaching venue: Caritas Institute of Higher Education, 2 Chui Ling Lane, Tseung Kwan O, N.T.;
5. Field visit (Endoscopy Unit, CSSD and Laundry Services of Tuen Mun Hospital) will be arranged after the relaxation of the COVID-19;
6. 80% of attendance is required for the Certificate of Achievement;
7. 81.5 CNE points will be awarded upon successful completion

<b>Module 1 - Infection Control Basics and the Importance of Patient-Care-Practices</b>	
<b>Overview of infection control</b>	1.5 hours
<b>Role of ICN &amp; role of epidemiologist</b>	1.5 hours
<b>Basic microbiology</b>	2 hours
<b>The importance of Hand Hygiene - compliance and feedback</b>	1.5 hours
<b>Collection of specimen &amp; microbiology lab</b>	1.5 hours
<b>Implementation of guidelines</b>	1.5 hours
<b>Planning and execute hospital education program</b>	1.5 hours
<b>Healthcare- associated UTI - pathogenesis and treatment</b>	1 hour
<b>Guideline for prevention of Healthcare associated UTI (CAUTI)</b>	1.5 hours
<b>Healthcare- associated bacteraemia &amp; central line infection - pathogenesis and treatment</b>	1 hour
<b>Guideline for prevention of healthcare associated bacteraemia (CLABSI)</b>	1.5 hour
<b>Surgical site infection - pathogenesis and treatment</b>	1 hour
<b>Guideline for prevention of surgical site infection (SSI)</b>	1.5 hours
<b>Healthcare- associated pneumonia - pathogenesis and treatment</b>	1 hour
<b>Guideline for prevention of pneumonia (VAP)</b>	1.5 hours
	<b><u>21 hours</u></b>

<b>Module 2 - Special Infections and Antibiotic Utilization</b>	
Special organisms and emerging infections: Legionella, Clostridium Difficile, Congenital Rubella Infection	2 hours
Nosocomial infections of respiratory viruses	1.5 hour
Infection control for ARD, including COVID-19	1.5 hour
Food poisoning and healthcare-associated gastroenteritis	1 hour
CNS & eye infection	1 hour
AIDS & hepatitis	1 hour
Pediatrics and neonatal infection	1.5 hour
Control of TB in hospital	1.5 hour
Use of antibiotics	1.5 hour
Antibiotic stewardship in hospital	1.5 hour
Control of MDRO in HK	1.5 hour
	<b><u>15.5 hours</u></b>

<b>Module 3 - Infection Control in Special Care Settings</b>	
Infection Control in NICU & Paediatrics	2 hours
Infection control in ICU	1.5 hours
Infection control in renal unit	2 hours
Infection control in BMT and severe immunocompromised patient	2 hours
Infection control in chronic care settings	1.5 hours
Infection control in burns	1.5 hours
	<b><u>10.5 hours</u></b>

**Module 4 - Outbreak Investigation and Infection Control Management Techniques**

Infection control accreditation, CQI and Patient Safety and infection control	2 hours
Statistics with practice on computer software	1 hour
Epidemiology I	2 hours
Epidemiology II	1 hour
Outbreak investigation	1 hour
Molecular epidemiology and its use in Infection Control	2 hours
Research appreciation	1 hour
Surveillance : Survey method and techniques (Data Collection, analysis and graphic presentation)	2 hours
Standard precaution and isolation precaution	1.5 hours
Occupational health and staff vaccination	1.5 hours
	<b><u>16 hours</u></b>

**Module 5 – Sterilization and Disinfection – Instruments and Environment**

Sterilization and disinfection/Infection Control in CSSD	2 hours
Infection control in endoscopy unit	1.5 hours
Environmental Cleaning and Disinfection	1.5 hours
Hospital construction and renovation-application of ICRA	1.5 hours
Infection control and air ventilation	1.5 hour
Laundry & catering	1.5 hour
Waste management	1 hour
	<b><u>10.5 hours</u></b>

### Module 6 - Lab Training and Simulation Training

Demonstration on infection control related microbiology laboratory practices - key benchtop practices e.g. microscopy and finger print culture - laboratory safety e.g. safety cabinet	1.5 hours
Simulation training on special care of patient with infectious disease	1.5 hours
	<b><u>3 hours</u></b>

### Module 7 - Special Field Visits

Endoscopy Unit, CSSD and Laundry Services of Tuen Mun Hospital	<b><u>5 hours</u></b>
--	-----------------------

### Examination

	<b><u>3 hours</u></b>
--	-----------------------