



MMPH6207 Infectious Diseases in Public Health (Semester 2)

Coordinator: Prof LLM Poon

Course Description:

Infectious diseases are of major public health concern. This course focuses on the study of common human infectious diseases from a public health point of view. The course covers basic microbiology, common infectious diseases in community and health care settings, and provides the biological basis for the methods used for prevention and control of communicable diseases. This course has a strong emphasis on the practical aspects of infectious disease and is important to those who are working or pursue their career in the fields of epidemiological investigations, public health surveillance, and other public health responses that are related to microbial infections.

Prerequisite: None

Term 2 (Tuesday)

Contact person: Dr Bedru Mohammed

Date	Time	Lecture Topic	Lecturer	Venue
17 Jan 2023	6:30 – 9:00 pm	1. Basic microbiology	Prof LLM Poon	HKJC-S3
31 Jan 2023	6:30 – 9:00 pm	2. Pathogen lifecycle and transmission modes	Prof LLM Poon	HKJC-S3
07 Feb 2023	6:30 – 9:00 pm	3. The mechanisms of microbial pathogenesis & immune responses against microbial infectious	Dr MC Chan	HKJC-S3
14 Feb 2023	6:30 – 9:00 pm	4. Common microbes causing communicable or foodborne diseases, their transmission and control	Prof LLM Poon	HKJC-S3
21 Feb 2023	6:30 – 9:00 pm	5. Common microbes in healthcare settings, their transmission and control	Prof LLM Poon	LT2
28 Feb 2023	6:30 – 9:00 pm	6. Drug resistant Microbial and its disease burden	Dr HL Yen	HKJC-S3
07 Mar 2023	6:30 – 9:00 pm	7. Global infectious disease surveillance and investigation	Prof LLM Poon	HKJC-S3
14 Mar 2023	6:30 – 9:00 pm	8. Methods for microbial diagnosis and surveillance	Prof LLM Poon	LT2
21 Mar 2023	6:30 – 8:30 pm	Tutorial 1	Prof LLM Poon	HKJC-S3
28 Mar 2023	6:30 – 9:00 pm	9. Immunization and treatment	Prof LLM Poon	LT2
04 Apr 2023	6:30 – 8:30 pm	Tutorial 2	Prof LLM Poon	HKJC-S3
11 Apr 2023	6:30 – 9:00 pm	10. Control of influenza virus as an example	Prof LLM Poon	HKJC-S3
18 Apr 2023	6:30 – 9:00 pm	Examination	-	HKJC-S3

Course Assessment: In-course assessment: 50%
Final exam: 50%

Recommended readings: 1. Burlage RS. Principles of public health microbiology. Sudbury, MA: Jones & Bartlett Learning, 2012.
2. Engelkirk PG. Burton's microbiology for the health sciences. 9th edition. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins, 2011.

HKJC-S3: G-05, G/F, The HKJC Building for Interdisciplinary Research, 5 Sassoon Road, Pokfulam, HK
LT2: Lecture Theatres 2, G/F, William M.W. Mong Block, 21 Sassoon Road, HK

Contact person: Dr Bedru Mohammed – email: bedru@hku.hk, Tel: 3917 9886.