



**MMPH6207 Infectious diseases in public health**

<b>Course Coordinator:</b>	Dr MC Chan
<b>Course Description:</b>	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.
<b>Venue:</b>	TBC

**Prerequisite:** None

**Term 2 (Monday) Contact person: Ms Lydia Chang/ Ms Wanying Sun**

Date	Time	Lecture Topic	Lecturer	Venue
15 Jan 2024	6:30 – 9:00 pm	1. Basic microbiology	Dr MC Chan	TBC
22 Jan 2024	6:30 – 9:00 pm	2. Pathogen lifecycle and transmission modes	Dr MC Chan	TBC
29 Jan 2024	6:30 – 9:00 pm	3. The mechanisms of microbial pathogenesis & immune responses against microbial infectious	Dr MC Chan	TBC
05 Feb 2024	6:30 – 9:00 pm	4. Common microbes causing communicable or foodborne diseases, their transmission and control	Dr MC Chan	TBC
19 Feb 2024	6:30 – 9:00 pm	5. Common microbes in healthcare settings, their transmission and control	Dr MC Chan	TBC
26 Feb 2024	6:30 – 9:00 pm	6. Antimicrobial Resistance	Dr HL Yen	TBC
04 Mar 2024	6:30 – 9:00 pm	7. Global infectious disease surveillance and investigation	Dr TT Lam	TBC
11 Mar 2024	6:30 – 9:00 pm	8. Methods for microbial	Dr KP Hui	TBC



		diagnosis and surveillance		
18 Mar 2024	6:30 – 8:30 pm	9. Immunization and treatment	Prof. LLM Poon	TBC
25 Mar 2024	6:30 – 9:00 pm	Tutorial 1	Dr MC Chan	TBC
08 Apr 2024	6:30 – 8:30 pm	Tutorial 2	Dr MC Chan	TBC
15 Apr 2024	6:30 – 9:00 pm	10. Control of influenza virus as an example	Dr MC Chan	TBC
22 Apr 2024	6:30 – 9:00 pm	Examination	-	TBC

**Course** In-course assessment: 50%

**Assessment:** 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. 9<sup>th</sup> edition. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins, 2011.

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