

Course Title/Code:	Infectious Diseases in Public Health (MMPH6207)
Department:	School of Public Health
Objective:	<p>This course aims to</p> <ol style="list-style-type: none"> 1. Explore/ illustrate/examine the role of microorganism on infectious disease; 2. Illustrate the breath major human infectious diseases, explore how (or in what different ways) human infectious diseases are transmitted, and in what community settings; 3. Consider the multi-disciplinary approaches for infectious disease control.
Content:	<p>Topics include:</p> <ul style="list-style-type: none"> • Basic microbiology • Pathogen lifecycle and transmission modes • The mechanisms of microbial pathogenesis & immune responses against microbial infectious • Common microbes causing communicable or foodborne diseases, their transmission and control • Common microbes in healthcare settings, their transmission and control • Drug resistant Microbial and its disease burden • Global infectious disease surveillance and investigation • Methods for microbial diagnosis and surveillance • Immunization and treatment • Control of influenza virus as an example • Case studies I • Case studies II
Learning Outcomes:	<p>On completion of the module, the students are expected to:</p> <ol style="list-style-type: none"> 1. Describe the diversity of microbes and their impacts to public health. 2. Explain pathogen life cycles and transmission modes. 3. Describe common microbes causing communicable or foodborne diseases; explain their transmission and control. 4. Describe common microbes in healthcare settings; explain their transmission and control. 5. Examine the mechanisms of microbial pathogenesis & immune responses against microbial infections. 6. Compare and contrast the methods used for microbial diagnosis and surveillance. 7. Describe biological principles underlying immunization. 8. Apply multi-disciplinary approaches to control infectious disease
Prerequisite:	None
Duration:	3 hours/week; 30 contact hours
Continuous assessment/ examination ratio:	<p>In-course assessment: 40%</p> <p>Final exam: 60%</p>
Examination method/ duration:	Written examination / 2 hours
Remarks:	Also offered to RPg from other Faculties at HKU.

