Course Title/Code:	**Introduction to Epidemiology (MMPH6003)**
Department:	School of Public Health

Objective: On completion of this Course, the students should be able to:

1.   Identify, define and calculate measures of illness and their association with health determinants, including risks, rates and prevalence.

2.   Describe and differentiate common epidemiological study designs, and discuss their strengths and limitations.

3.   Describe approaches to the identification of causes of illness and the implications for control efforts.

Content: Topics include:
- Measures of occurrence
- Measures of effect and association
- Randomized trials
- Cohort studies
- Case-referent studies
- Study designs
- Causal inference in epidemiology
- Bias, confounding and interaction
- Epidemiology in practice

Learning Outcomes: On completion of the module, the students are expected to:
1.   Define epidemiology and describe its relationship with medicine and public health.
2.   Define parameters related to morbidity and mortality
3.   Define, interpret, and calculate measures of event occurrence
4.   Define, compare, and contrast the design of case-control, cross sectional, cohort, and randomized trials
5.   Define and identify concepts of causality
6.   Identify and distinguish common types of bias
7.   Evaluate and discuss practical issues in designing and implementing epidemiological studies

Prerequisite: None

Duration: 3 hours/week; 30 contact hours

Continuous assessment/ examination ratio:
1. Assignments: 15%
2. Mid-term exam: 15%
3. Final examination: 70%

Examination method/ duration：   Written examination / 2 hours

Remarks: Also offered to RPg from other Faculties at HKU.