



HANYANG UNIVERSITY

2019 HISS Syllabus (Epidemiology)

Professor: **Eric Richardson, MD**
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Home Univ.: Hanyang University
Dept.: College of Medicine; School of Biomedical Sciences and Engineering

Description: This course will provide students with an introduction to basic epidemiology, its application to public health and current issues of interest in epidemiology and public health.

Objective: This course will begin with an overview of the history of public health, and underlying principles of epidemiology; the need for evidence based medicine and a look at some current controversies; the rest of the course will be looking at examples of epidemiology and public health initiatives in a broad spectrum world-wide.

Preparations: Texts and materials will be linked or furnished in class. Students are expected to have a basic understanding of algebra and an ability to interpret and discuss data presented in graphs and tables.

Schedule:	Week 1	1/Overview of historical milestones of public health and epidemiology and its impact on world progress 2/Basic concepts and definitions of public health and epidemiological principles: basic biostatistical principles
	Week 2	3/Evidence based healthcare (epidemiology) and public health interventions 4/Determination of causation

Hanyang International Summer School

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Week 3	5/Concepts of Disease prevention and intervention: Chronic and Communicable 6/Environmental and Occupational Medicine
Week 4	7/ Nutrition and lifestyle 8/Social and Mental health issues: poverty, conflict, gender based violence; mental health treatment

Evaluation:	Midterm (%)	Final (%)	Attendance (%)	Assignments (%)	Participation (%)	Etc. (%)
	25	25	5	15	10	20