



# HANYANG UNIVERSITY

## Hanyang International Winter School

### Epidemiology: Applications to Public Health

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 overview of 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.

Credits	3	Contact Hours	45
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	
		3/Evidence based healthcare (epidemiology) and public health interventions	
		4/Determination of causation	
	Week 2	5/Case studies appropriate to materials	
		6/Concepts of Disease prevention and intervention: Chronic and Communicable	
		7/Environmental and Occupational Medicine	
		8/ Nutrition and lifestyle	
		9/Social and Mental health issues: poverty, conflict, gender based violence; mental health treatment	
	10/Case studies appropriate to materials		



Evaluation(%)	Midterm	Final	Attendance	Assignments	Participation	Etc.
	30	30	10	10		20