

Course Syllabus

Class/Department : International Program on Urban Governance

Course Title: Urban Planning and Public Health 城市治理與公共衛生

Grade(應修系級) : Master degree students

Type: Required Selective Whole Half

Credits: 3

Course Number:

Prerequisite Course: No

Course Description:

Professors: 翁仲邦(Chung-Bang Weng)

Course Objectives:

Urban planning and public health (2 credits) gives a broad view of health, health promotion, and health behaviors. In addition, this course will provide disciplines of urban planning, public health, and epidemiology. The emphasis is placed on the preventive methods by urban planning to promote health and achieve healthy lifestyle.

Specifically, the objectives of the course are to:

1. Identify major health problems and demonstrate an understanding of risk behaviors.
2. Describe the impact of healthy or unhealthy places upon health outcomes.
3. Discuss contextual socio-economic, built and natural environmental as well as individual- and population-level factors of health.
4. Assess and plan for community needs in health-care infrastructure.
5. Discuss the distribution of health risks of urban transportation grid.
6. Objectively analyze the existing literature in selected areas of public health through urban planning.
7. Explore the community design for sustainable, healthy living.

Course outlines:

Urban planning and public health will cover the following topics:

1. Disease prevention and health promotion
2. Theories of health behaviors

3. Tracing the ever-evolving relationship between urban planning and public health
4. Paradigm in healthy city planning
5. Spatial determinants of health
6. Spatial design network analysis for urban health
7. Built environment and physical activity
8. Built environment and psychological distress
9. Health-care services and health

Evaluations:

1. Exams (50%). Two exams will be given throughout the semester.
2. Literature Review (10%). Read and provide a written review of assigned articles.
3. Attendance and Participation. Full attendance and active participation in classroom discussion will be given extra points. (5 points for full attendance, 3 points for one absence)
4. Research Paper (40%). Complete a research paper on a self-selected topic related to drugs and alcohol. The paper should be 15-20 typewritten pages in length (it can be longer, if you wish), and must incorporate the following information. The grading criteria will include: clarity, organization of the paper, depth of the research, insight and appropriateness of referencing methodology (you could use either APA or AMA style).

Tentative class schedule

Week	Topic	
1	Introduction	
2	Overview of health, health promotion, and disease prevention	
3	Health trends and factors	
4	Theories of health behaviors	
5	Physical activity and public health	
6	The built environment and physical activity	
7	Land use patterns	
8	Urban planning characteristics	
9	Exam I	
10	Empirical model of healthy city	

11	Spatial determinants of health	
12	Spatial determinants of health	
13	Spatial design network analysis for urban health	
14	GIS: Health and aging as a spatial construct	
15	Built environment and Obesity	
16	Health-care infrastructure	
17	Health-promoting services	
18	Exam II	

Required textbook:

Sarkar, C., Webster, C., & Gallacher, J. (2014) *Healthy Cities: Public Health through Urban Planning*. Edward Elgar Pub. Northampton, MA, USA

List of references (books):

Abbott, P., Carman, N., Carman, J., & Scarfo, B. (2009) *Re-creating Neighborhoods for Successful Aging*. Health Professionals Press. Baltimore, MD

Cottrell RR, Girvan JT, McKenzie JF (2015). *Principles and Foundations of Health Promotion and Education* (6th edition), Allyn and Bacon, Boston, MA

Frank, L., Engelke, P., & Schmid, T. (2003) *Health and Community Design: The Impact of The Built Environment on Physical Activity*. Island Press. Washington, D.C.