

## **PH666: Seminar in Infectious Disease Control, Spring 2007**

**Meeting place and time:** Biomed C104, Wednesday, 0800-1050

### **Instructor:**

Al Katz, MD, MPH  
Biomed D104M  
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### **Office hours:**

By appointment only

### **Course overview:**

This course is designed to provide students with an overview of the principles and practices of infectious disease epidemiology. Topics will include diseases of global, national, and local importance including HIV/AIDS, tuberculosis, malaria, influenza, bacterial and viral STDs, viral hepatitis, dengue fever, leptospirosis, emerging infectious diseases, and bioterrorism-related diseases.

### **Course format:**

The course will utilize lecture, video, and seminar discussion format. Assigned readings to prepare for the weekly topics are listed in the “tentative course schedule.” Students will be expected to read the relevant chapters in the text as well as selected peer reviewed journal articles. The latter will be handed out in class. The single required textbook is: Heymann DL, ed. Control of communicable disease manual (CCDM). 18<sup>th</sup> ed. American Public Health Association: Washington, D.C., 2004. Students are expected to attend all class sessions, and attendance will be reflected in the course grading. If class is missed due to illness, a note from an allopathic physician licensed to practice medicine in Hawaii must be submitted. Weekly quizzes will be administered during the first 15 minutes of class and will cover the disease(s) to be discussed (including questions pertaining to identification of the agent, reservoir, mode of transmission, incubation period, susceptibility and resistance, and preventive measures).

### **Grading:**

Students will be graded on their performance on weekly quizzes (contributing 30% of the grade), class attendance and participation in discussion (30% of grade), and a final exam (worth 40% of the grade). Course grades will be assigned based on overall percentage score: 90-100% = A; 80-89% = B; 70-79% = C. The “plus/minus” system will not be used.

### **Course learning objectives:**

1. Become familiar with selected infectious diseases, including: knowledge of the agent, reservoir, mode of transmission, and distribution
2. Understand the relationship between host, agent, and environment in the context of infectious disease epidemiology.
3. Understand strategies for diagnosis, prevention, and control of selected infectious diseases

**Public Health Faculty/Agency Forum core and epidemiology specialty area competencies addressed:**

Analytic Skills (AS)

AS1. Define a public health problem

Epidemiology (E)

E1. Identify the epidemiological dimensions of the major causes of morbidity and mortality regionally, nationally and internationally with particular emphasis on chronic and infectious disease.

E2. Identify public health practices for disease control including surveillance, screening, and outbreak investigation.

E6. Demonstrate skills in the conduct of epidemiologic research:

e. Evaluate, interpret and discuss research results in the format required for an epidemiologic research report.