I. COURSE OVERVIEW

This course is designed to give the master of public health students, graduate students and biologically advanced juniors and seniors a broad overview of environmental health as a public health discipline. The course will be offered every spring semester. The format will be a lecture format, with the lectures given by campus and State Division of Health and Department of Natural Resources experts on specific environmental health topics.

Goal: To understand the principles and practice of environmental health.

Objectives:
- Define environmental health and describe its’ history as a crucial aspect of the history of public health.
- Describe the U.S. and world health status and issues as background framework to environmental health.
- Describe briefly public health research methodologies including epidemiology and toxicology
- Describe crucial infectious and non-infectious disease principles.
- Cover all of the crucial environmental health topics (air, water, pesticides, etc.) necessary to get an overall understanding of the field.

II. COURSE DATES/LOCATION

Tuesday and Thursday, 1:00-2:15
Location: G5/119 CSC

III. STUDENTS

The course will be designed primarily for MPH students as part of their core competencies. However, it is hoped to attract U.W.-Madison graduate students from various fields, such as Demography, Environment and Resources, and others. Also junior and senior undergraduates with excellent biological backgrounds will be allowed to take the course. The goal is to regularly have about 130 students in this lecture course.
IV. COURSE FACULTY

Course Director:
Marty S. Kanarek, Ph.D., M.P.H. Professor
Department of Population Health Sciences
Room 687, 610 North Walnut Street (WARF Building)
Phone: 263-1626  FAX: 263-2820
Email: mkanarek@wisc.edu
Office hours: TBD
Also Professor in Gaylord Nelson Institute for Environmental Studies
Room 85 Science Hall
Phone: 263-2103

Lecturers:
Experts from the U.W.-Madison faculty and State of Wisconsin Department of Health and Family Services and the Wisconsin Department of Natural Resources.

V. TEXTBOOK/READINGS

Textbook

Other readings:
• Learn@UW will be maintained for student access to lecture powerpoints and other course material including scientific journal articles, newspaper and magazine articles.
• A classlist email will be established for class messages from the Course Director

V. EVALUATION
Participants enrolled for credit will be expected to attend class lectures. Grades will be based on two tests and a class paper (5-10 pages).
• 1st Exam (40%)
• 2nd Exam (40%)
• Paper (20%)—due last class day
Schedule  2011  
PHS/Env St. 471: Introduction to Environmental Health  
Tu, Th 1:00-2:15  
G5/119 CSC (Clinical Sciences Center- the Hospital basement)  

Professor Marty Kanarek, PHS and Nelson Inst.  

Tu Jan 18  Introduction to Course and logistics (grading, readings, website, etc.)  
Public Health and Epidemiology  

Th Jan 20  Toxicology and Risk assessment  

Tu Jan 25  Asbestos in the Workplace and the Environment  

Th Jan 27  Non-infectious disease  

Tu Feb 1  Infectious Disease (Sethi, PHS)  

Th Feb 3  Population (Raymo, Sociology)  

Tu Feb 8  Ambient Air Pollution  

Th Feb 10  Indoor Air Pollution  

Tu Feb 15  Mercury  

Th Feb 17  Persistant Organic Pollutants POPS (Anderson, DHS)  

Tu Feb 22  Pesticides I (Pellitteri, Plant Path)  

Th Feb 24  Pesticides II (Pellitteri, Plant Path)  

Tu Mar 1  Lead (Stanton, State Lab of Hygiene)  

Th Mar 3  Foodborne Illness I (Wong, Food Res. Inst.)  

Tu Mar 8  Foodborne Illness II (Wong, Food Res. Inst.)  

Th Mar 10  1325 HS LC Exam I  

Th Mar 15  1325 HS LC Exam II  

Spring Recess  

Tu Mar 22 15  Water Supply (Thompson, Biol Sys Eng.)  

Th Mar 24  Wastewater Treatment  (Noguera, Civ and Env Eng)
Tu Mar 29  Occupational Exposure to Metals (Werner, DHS)

Th Mar 31  Climate Change-(Patz, PHS + GNIES)

Tu Ap 5   Environmental Tracking (M. Bekkedal. DHS)

Th Ap 7   Solid Waste (O’Leary, Eng. Prof Dev.)

Tu Ap 12 Radiation  I (DeLuca, Health Physics)

Th Ap 14 Radiation II (DeLuca, Health Physics)

Tu Ap 19 Emergency Response (Nehls-Lowe, DHS)

Th Ap 21  Urban and Community Design (Dennis, Landscape Arch.)

Tu April 26 Industrial Ecology (P. Eagan, Eng. Prof. Dev.)

Th April 28  Regulation, Policy (L. Eagan, DNR)

Tu May 3  Environmental Justice (Senier, Family Med, Comm. Env. Sociology)

Th  May 5  1335 HSLC Exam II  Papers due, 1335 HSLC