Course Title: Introduction to Global Public Health

Course Number: GLPH 0600

Course Location: School of Public Health, Piscataway – Room 234

Course Date & Time: Wednesdays; 2:00 pm – 5:00 pm

Course Instructor: Stephan Schwander M.D., Ph.D.
Room 305
Phone: 732-235-5405
E-mail: schwansk@sph.rutgers.edu

Office Hours: By appointment only

Course Assistant: Ms. Michelle Ruidiaz-Santiago
(Appointments) E-mail: ruidiamm@sph.rutgers.edu
Phone: 732-235-2836


Images, photos, graphs and tables for the various classes will be taken from this book, journal articles, lecturer’s own sources (previous lectures and research presentation material), the online encyclopedia of medical images and for example CDC and WHO websites. Each of the lecturers will be free to add education material according to their own judgment.

Course Description: This introductory course on global public health will provide the students with an overview of important components of global public health. This 3-credit course is one of the required courses for the MPH in the Global Public Health concentration.

There is a growing emphasis on global health concerns by the US government and other agencies. The U.S. government’s Global Health Initiative launched in May 2009 by President Barack Obama is pursuing a comprehensive approach to global health.

In a world that is increasingly globalized yet also fragmented it not only becomes important to ensure a healthcare workforce that is conversant with global health concerns but also to build knowledge networks and research capacities to address information gaps.
In addition to communicable diseases, malnutrition, and lack of infrastructure and economic means that magnify negative health effects from environmental degradation, climate change, emergencies and war activity, developing countries are increasingly affected by chronic diseases.
Selected Department Competencies Addressed: Each Department identifies competencies for each degree offered. The competencies addressed in this course for the MPH (or other degrees) for the concentration of Global Public Health include:

- Evaluate determinants of global public health in a range of context based on the five major public health perspectives: systems and policies, epidemiology, biostatistics, environmental and occupational health, and health education and behavioral science.
- Demonstrate an understanding of the economic, educational, political, sociocultural, environmental, ecological and biological conditions that represent obstacles to attaining global health.
- Demonstrate an understanding of international regulations, transfer of new pharmaceuticals into health systems and management of global health programs.
- Analyze root causes of morbidity and mortality in major regions of the world and how they are affected by demographic, sociocultural, biological, occupational and environmental factors.
- Apply fundamental principles of global standards for the protection of human subjects in diverse cultural settings.
- Apply the fundamental principles of global public health perspectives on global public health education, research, and practice.
- Exhibit skill sets required for global health practice including written and verbal communication skills, capacity for interprofessional teamwork, leadership, social awareness and cultural competency to enhance capacity strengthening and service delivery with compassion and integrity.

The competencies addressed in this course for the MPH (or other degrees) for the Department of ENOH include:

- Description of the major environmental health problems to the global community as well as specific subpopulations
- Develop a testable model of environmental exposures and adverse health outcomes

Please visit the Department webpages on the School of Public Health’s website at http://sph.rutgers.edu/ for additional competencies addressed by this course for other degrees and departments.

Course Objectives: Upon completion of this course, students will be able to:

- Appreciate the effects of geography, climate, culture, political and health systems as well as economy on global health.
- Describe the geographical differences in disease morbidity and mortality in the global context.
• Understand the obstacles posed by international political and economic structures and regulations on achieving the goal of improving global health.
• Recognize the effects of environmental and other emerging factors on global public health.

Course Requirements and Grading:

- Student class attendance and participation 10%
- Midterm Exam 25%
- Final exam 25%
- Topic Presentations 30%
- Two-minute brain storms 10%

Course Schedule:

CLASS 1. September 6, 2017
Meeting of course participants, mutual introduction and introduction into the course (Dr. Schwander). Overview of the course and course requirements.

Lecturers: Drs. Stephan Schwander & Dr. Elizabeth Marshall
Topics: What is Global Public Health?

Literature to be used

CLASS 2. September 13, 2016

Lecturers: Dr. Stephan Schwander
Topic: Infectious Diseases

Assigned literature

Review of medical microbiology and immunology, 10th ed., 2008 Warren Levinson. Chapters 51 (intestinal and urogenital protozoa) and 52: (blood & tissue protozoa)
Cellular and Molecular Immunology by Abul K. Abbas, Andrew H. Lichtman and Shiv Pillai. Updated 6th ed. Chapter 15, immunity to parasites, pages 365-370


Image sources: selected slides from ENOH 0560 course lectures (Director Schwander) on tuberculosis, HIV/AIDS and neglected diseases


Lecturer: Dr. Mark Robson
Topic: Environmental Health

Assigned literature

CLASS 4. September 27, 2015

Lecturer: Dr. Michael Gochfeld
Topic: Complex Emergencies (war, genocide, refugee health and security). Health effects of global climate change (crops, diseases, coastal communities, fisheries)

Assigned literature

CLASS 5. October 4, 2016

Lecturer: Dr. Hoffman
Topic: Nutrition - energy balance (undernutrition, obesity)

Assigned literature
CLASS 6.  October 11, 2016
MIDTERM EXAM

Lecturer:  To be announced
Topic:  Culture, Behavior and Health

Assigned literature

CLASS 7.  October 18, 2016

Lecturer:  Kristina Nikolova, PhD
Topic:  Unintentional Injuries and Violence - Gender Violence

Assigned literature

CLASS 8.  October 25, 2016

Lecturer I:  Dr. Bernadette West
Topic:  The Design of Health Systems

Assigned literature

Lecturer II:  Dr. Alan Monheit
Topic:  Health and the Economy

Assigned literature

CLASS 9.  November 1, 2016

Lecturer:  Dr. Perry Halkitis
Assigned literature

Will be distributed on Moodle.


Lecturer:  Dr. Javier I. Escobar, RWJMS
Topic:  ‘Mental health (2 hrs) class
Student Discussions (1hr)
Self-study topic selection

Assigned literature

CLASS 11.  November 15, 2016

Lecturers:  Virginia Allread MPH, Instructor, past Director FXB Center
Edward Vallejo, MPH CPH Rutgers School of Public Health, Strategic Information Advisor, Office of the Global AIDS Coordinator (OGAC), President's Emergency Plan For AIDS Relief (PEPFAR) United States Department of State

Topic:  Global Cooperation in International Public Health. Globalization and Health. 21st Century International Health

Assigned literature

November 22, 2016 – No class


Lecturers:  Dr. Charletta Ayers / Dr. Gloria Bachmann
Topic:  Reproductive Health

Assigned literature

CLASS 13. Week of December 6, 2016

Student presentations I


Student presentations II

FINAL EXAM

School of Public Health Honor Code: The School of Public Health Honor Code is found in the student bulletin (sph.rutgers.edu/academics/catalog/index.html). Each student bears a fundamental responsibility for maintaining academic integrity and intellectual honesty in his or her graduate work. For example, all students are expected to observe the generally accepted principles of scholarly work, to submit their own rather than another’s work, to refrain from falsifying data, and to refrain from receiving and/or giving aid on examinations or other assigned work requiring independent effort. In submitting written material, the writer takes full responsibility for the work as a whole and implies that, except as properly noted by use of quotation marks, footnotes, etc., both the ideas and the works used are his or her own. In addition to maintaining personal academic integrity, each student is expected to contribute to the academic integrity of the school community by not facilitating inappropriate use of her/his own work by others and by reporting acts of academic dishonesty by others to an appropriate school authority. It should be clearly understood that plagiarism, cheating, or other forms of academic dishonesty will not be tolerated and can lead to sanctions up to and including separation from the Rutgers School of Public Health.

Policy Concerning Use of Recording Devices and Other Electronic Communications Systems: When personally owned communication/recording devices are used by students to record lectures and/or classroom lessons, such use must be authorized by the faculty member or instructor who must give either oral or written permission prior to the start of the semester and identify restrictions, if any, on the use of mobile communications or recording devices.

School of Public Health Academic Calendar – Fall 2017

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<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tr>
<td>Tuesday, September 5</td>
<td>Fall Semester Begins</td>
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<tr>
<td>Tuesday, November 21</td>
<td>Thursday Classes Meet</td>
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<tr>
<td>Wednesday, November 22</td>
<td>Friday Classes Meet</td>
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<tr>
<td>Thursday, November 23 – Sunday, November 26</td>
<td>Thanksgiving Recess</td>
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<tr>
<td>Wednesday, December 13</td>
<td>Regular Classes End</td>
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<tr>
<td>Thursday, December 14</td>
<td>Reading Day</td>
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<tr>
<td>Friday, December 15 – Friday, December 22</td>
<td>Final Exams</td>
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