

## MPH Concentration in Global Health

The MPH Concentration in Global Health is designed for students who desire to pursue careers in global public health. While its emphasis includes health problems of developing countries and other topics traditionally covered in the discipline of international health, global health also focuses on health issues of importance to the entire world such as globalization of disease, global warming, and global governance issues. The MPH Concentration in Global Health is designed for students with different educational backgrounds and work experiences. Students will become knowledgeable about key issues in global and international health, including global burden of disease, maternal and child health, nutrition, sanitation, health care systems and the effect of globalization on public health.

**In addition to achieving the core public health competencies, upon graduation MPH students in the Global Health concentration will be able to <sup>&</sup>:**

- Identify the impact of globalization on disease, economic development, extreme poverty and hunger
- Describe the impact of gender inequality, and the disparities in health, education and nutrition on health outcomes
- Describe the epidemiology and impact of maternal and child health and mortality on public health
- Describe and evaluate approaches to social and behavioral change in the context of global health programs.
- Explain the epidemiology, ecology, and control of infectious and non-communicable diseases
- Explain the importance of environmental resources and sustainability in promoting health and economic well being
- Identify, define and describe human rights principles and international public health ethics
- Define the global burden of disease, and the roles of major organizations, governments and communities in disease management and global development
- Learn about conducting international health work in resource-poor settings or within global initiatives
- Use the basic concepts, skills, and methods involved in culturally appropriate community engagement and empowerment in diverse communities
- Apply public health skills and principles of research methods and analysis to health problems in the developing world.

Required Core Courses (23 credits)	Course Number	Credits	Semester
Principles of Epidemiology <i>OR</i>	PH/PREV 600	3	Fall, Summer
Epidemiologic Assessment Strategies	NURS 671	3	Spring
Biostatistical Methods <i>OR</i>	PH/PREV 621	3	Fall
Principles of Biostatistics ( <i>substituted only with permission of instructor</i> )	PH/PREV 620	3	Fall
Environmental/Occupational Health	PH/PREV 668	3	Fall
Introduction to the Health System, Policy, & Management	PH/PREV 648	3	Fall, Summer
Foundations of Public Health	PH/PREV 610	3	Fall
Public Health Ethics	PH/PREV 623	2	Spring
Supervised Project (Capstone)	PH 789	6	Fall, Spring, Summer

Required Concentration Courses (12 credits)	Course Number	Credits	Semester
Critical Issues in Global Health	PREV 664	3	Spring
Infectious Disease Epidemiology: A Global Perspective	PREV 749	3	Fall
Community based Participatory Research: Theory & Methods	PREV 625	3	Spring
Program Planning and Evaluation in Community/Public Health	NURS 732	3	Spring

<sup>&</sup> Guided by the United Nations Millennium Development Goals [www.undp.org/mdg/basics.shtml](http://www.undp.org/mdg/basics.shtml)

**Electives****(7 credits)**

Select your electives from the courses listed below. You can also select your electives from the required courses for the other concentration, i.e. you can select PREV 659 (Observational Studies in Epidemiology) as an elective, even though it is a required course for the Epidemiology Concentration. Other elective courses may be selected, but must be approved by the student's advisor and the MPH Curriculum Committee.

<b>Electives</b>	<b>Course Number</b>	<b>Credits</b>	<b>Semester</b>
Advanced Quantitative Methods	PREV 702	2	Fall 2010*
Advanced Topics in Pharmacoepidemiology	PHSR/PREV 722	1	Fall
Advanced Toxicology I	TOXI 601	3	Fall
Applied Epidemiology	PREV 601	2	Spring
Applied Social Psychology (UMBC)	PSYC 656	3	TBA
Biostatistical Computing	PREV 619	2	Spring
Chronic Disease Epidemiology	PREV 716	3	Summer
Community Organization	SWOA 704	3	Fall, Spring
Comparative Social Policy #	SOWK 720	3	Fall
Context of Health Care	PHAR 522	2	Spring 2010
Disease Modeling in Epidemiology	PREV 611	3	Fall
Economic Issues in Aging	GERO 742	3	TBA
Environmental Health	NURS 730	3	Fall, Spring
Epidemiology of Aging	PREV/GERO 681	3	Fall 2010 **
Ethical Issues in International Research #	PREV 638	3	Spring
Exposure, Risk and Public Health	TOXI 611	2	Spring
Genetic Epidemiology	PREV 711	3	Spring 2010*
Health & International Human Rights Seminar #	LAW 564	3	Spring 2010*
Health Law Seminar: Food and Drug Law	LAW 586	3	Spring 2010*
Health Promotion Disease Prevention	NURS 630	2	Spring
Health Survey Research Methods	PREV 758	3	Fall
Independent Study	PREV 789	1	Fall, Spring, Summer
Injury Epidemiology & Prevention #	PREV 715	2	Fall
Interdisciplinary Seminar in Environmental Health	NURS 750	1	TBA
Introduction to Health Behavior Theory	PHSR 620	3	Spring
Issues in Aging Policy	GERO/SOCY 672	3	Fall 2009**
Managing Public Organizations (UMBC)	PUBL 613	3	Fall, Spring
Medication Safety in Health Care	PHMY 502	2	Spring
Molecular Epidemiology	PREV 780	3	Fall
Molecular Epidemiology of Infectious Diseases	PREV 631	3	Spring
Multicultural Practice in Organizations and Communities	SOWK 764	3	Spring
Nature of Health and Illness	SOWK 765	3	Fall, Spring
Pharmacoepidemiology	PHSR 704/PREV 705	3	Fall 2009*
Pharmacy, Drugs, and the Health Care System	PHSR 610	3	Fall

Electives	Course Number	Credits	Semester
Populations at Risk in Community/Public Health	NURS 761	3	Spring
Principles of Health Education and Health Promotion	PHSR 670/PREV 650	3	Fall
Qualitative Ethnocultural Research	SOWK 783	3	Fall, Spring
Qualitative Research Methods in Social Work	SOWK 826	3	Fall
Regression Analysis (half-semester course)	PREV 721	2	Fall
Research Informatics: Data Management in Research	PREV 706	2	Fall
Research Methods I	PHSR 701	3	Fall
Seminar in Health Policy	NURS 697	3	Fall
Society, Health and Social Justice #	NURS 769	3	Spring
Sociocultural Gerontology	GERO 700	3	Fall or Spring**
Sociology of Mental Health and Illness (UMBC)	SOCY 658	3	TBA
Survival Analysis (half-semester course)	PREV 723	2	Fall
Theory and Practice of Policy Analysis (UMBC)	PUBL 603	3	Fall, Spring
Toxicology Seminar	TOXI 618	1	Fall, Spring

Please note the following:

- \* Every other year
- \*\* Every 3 semesters
- # Courses with a focus on Global Health

GLOBAL HEALTH CONCENTRATION COMPETENCIES	PREV/NURS 664	PREV 749	PREV 625	NUR S 732
Identify the impact of globalization on disease, economic development, extreme poverty and hunger	√	√		
Describe the impact of gender inequality, and the disparities in health, education and nutrition on health outcomes	√		√	
Describe the epidemiology and impact of maternal and child health and mortality on public health	√			
Describe and evaluate approaches to social and behavioral change in the context of global health programs	√		√	√
Explain the epidemiology, ecology, and control of infectious and non-communicable diseases	√	√		
Explain the importance of environmental resources and sustainability in promoting health and economic well being	√	√		
Identify, define and describe human rights principles and international public health ethics	√			√
Define the global burden of disease, and the roles of major organizations, governments and communities in disease management and global development	√	√		
Learn about conducting international health work in resource-poor settings, or within global initiatives	√	√		
Use the basic concepts, skills, and methods involved in culturally appropriate community engagement and empowerment with diverse communities			√	√
Apply public health skills and principles of research methods and analysis to health problems in the developing world	√	√	√	√