

# Milken Institute School of Public Health

THE GEORGE WASHINGTON UNIVERSITY

## Department of Global Health

### Doctor of Public Health – Global Health 2016

Note: All curriculum revisions will be updated immediately on the website  
<http://publichealth.gwu.edu/>

#### Program Director

Amira Roess, PhD, MPH  
950 New Hampshire Ave, 4<sup>th</sup> Floor  
Phone: 202-994-3799  
Email: [aroess@gwu.edu](mailto:aroess@gwu.edu)

#### Mission

The DrPH degree is the terminal degree in the professional discipline of public health. Consistent with this advanced professional orientation, the DrPH Program will prepare future public health leaders to apply critical thinking and rigorous research methods to the complex practical problems facing practitioners and policy-makers in public health practice. The DrPH Program is designed to both follow and promote the principles of academic public health practice. As noted in a recent ASPH publication, public health practice is the strategic, organized, and interdisciplinary application of knowledge, skills, and competencies necessary to perform essential public health services and other activities to improve the populations' health. Academic public health practice is the applied, interdisciplinary pursuit of scholarship in the field of public health. Recent events sharply illustrate the need for public health professionals who can provide the leadership to expand and strengthen the US and global public health systems. The DrPH program is designed to prepare professionals with skills to provide this leadership.

From the combination of course work and the implementation of the knowledge in the context of a thesis project in outstanding international placements, the DrPH degree in Global Health will enable professionals to develop innovative approaches to and ability to negotiate the complex interrelationship between health and political, economic, and human development.

#### Goals

The DrPH graduate will be prepared to assume an advanced level of leadership in global health, in the context of health research as well as implementation programs in an international setting.

#### Admissions Requirements

The Doctor of Public Health Program is designed for mid-career professionals seeking to become public health leaders. Applicants who have completed an MPH degree from a Council of Education for Public Health (CEPH) accredited program are strongly preferred for admission to the DrPH Program. Alternatively, applicants with a master's degree in another field may indicate their relevant training, research experience, or educational background comparable to the MPH. Doctoral applicants admitted without an MPH will be required to take additional course work at the graduate level that does not apply toward the minimum 48 credits required for the DrPH. Qualified applicants with degrees from institutions in foreign countries are also eligible for admission. All applicants must submit scores from the Graduate Record Exam (GRE) taken within five years of the date of application. Because admission to this program is highly selective, successful applicants have competitive academic credentials and substantial prior public health professional work experience related to the specialty field to which they are applying.

#### Competencies

The Doctor of Public Health (DrPH) Program prepares professionals to assume national and international leadership positions in environmental and occupational health, global health, health behavior, and health policy. The field of public health provides unique insights into the complex interrelationships between health, politics, and human development. It enables professionals to address public health issues by marshalling research and analytic skills to develop innovative approaches to understand health and to promote and advocate for improved health outcomes. Upon completion of the DrPH, students in all program areas will demonstrate ability in the core competencies listed at the end of this document.

#### Course Distribution Summary

- Total Credits = Minimum 48
- Required Foundation Courses and Research Methods = 22 credits
- Required Specialty Field Courses = 6 credits
- Specialty Field Electives = 7-10 credits
- Professional Leadership = 2 credits
- Dissertation Preparation and Dissertation = 8 to 11 credits

#### REQUIRED FOUNDATIONAL AND RESEARCH METHODS COURSES 22 CREDITS

UNDER CERTAIN CIRCUMSTANCES AND WITH ADVANCE APPROVAL OF THE PROGRAM DIRECTOR, ANOTHER METHODS COURSE MAY BE SUBSTITUTED FOR PUBH 8417, 8418, OR 8420.

Course	Title	Credits	Semester Taken/ Proposed
PUBH 8401	Foundations of Public Health Leadership and Practice – Doctoral Seminar	3	Fall Year 1
PUBH 8402	Leadership and Decision Making: A Skills Based Approach	2	Summer Year 1
PUBH 8416	Study Design and Evaluation	3	Fall Year 1
PUBH 8417	Qualitative Research Methods and Analysis <i>Prereq: PUBH 8416</i>	3	Spring Year 1
PUBH 8418	Applied Statistical Analysis <i>Prereq: PUBH 8416</i>	3	Spring Year 1
PUBH 8419	Measurement in Public Health and Health Services Research <i>Prereq: PUBH 8418</i>	3	Spring Year 2
PUBH 8420	Advanced Analysis and Dissemination <i>Prereq: PUBH 8418, PUBH 8417</i>	3	Fall Year 2
PUBH 8403	Leadership in Public Health Practice and Policy	2	Fall Year 3

#### REQUIRED SPECIALTY FIELD COURSES 6 CREDITS

Course	Title	Credits	Semester Taken/ Proposed
PUBH 8406	Advanced Topics –Health Research in the Global Arena- Doctoral Seminar	3	Year 1 or Year 2
PUBH 8407	Advanced Topics- Health Leadership in International Settings- Doctoral Seminar	3	Year 1 or Year 2

#### SPECIALTY FIELD ELECTIVE COURSES 7-10 CREDITS (SUGGESTED OPTIONS)

Course	Title	Credits	Semester Taken/ Proposed
PUBH 6123	Toxicology: Applications for Public Health Policy	3	
PUBH 6128	Global Environmental & Occupational Health	2	
PUBH 6242	Clinical Epidemiology and Decision Analysis	2	
PUBH 6244	Cancer Epidemiology	2	
PUBH 6245	Infectious Disease Epidemiology	2	
PUBH 6250	Epidemiology of HIV/AIDS	2	
PUBH 6259	Epidemiologic Surveillance in Public Health	2	
PUBH 6262	Introduction to GIS	1	

PUBH 6263	Advanced GIS	1	
PUBH 6270	HIV/AIDS Surveillance	1	
PUBH 6430	Theories for GH Communication Interventions	2	
PUBH 6431	GH Communication Strategies & Skills	3	
PUBH 6435	Global Health Program Devel & Implementation	2	
PUBH 6436	Global Health Program Management	2	
PUBH 6437	GH Program Evaluation ( <i>taught online</i> )	3	
PUBH 6440	Global Health Economics & Finance	2	
PUBH 6441	International Health Organizations	3	
PUBH 6442	Comparative Health Systems	2	
PUBH 6443	Global Health Agreements	2	
PUBH 6481	Global Mental Health	2	
PUBH 6482	International Food & Nutrition Programs & Policy	2	
	Any graduate level course in SPH	varies	
<b>PROFESSIONAL LEADERSHIP COURSES</b> 2 CREDITS (most students will take 2 credits Instructional Leadership)			
<b>Course</b>	<b>Title</b>	<b>Credits</b>	<b>Semester Taken / Proposed</b>
PUBH 8413	Research Leadership	Varies	
PUBH 8415	Instructional Leadership	Varies	
<b>COMPREHENSIVE EXAM</b> (TAKEN UPON COMPLETION OF ALL COURSE WORK)			
COMPREHENSIVE EXAMINATION	DATE TAKEN _____	PASS/NO PASS _____	
<b>DISSERTATION PREPARATION AND DISSERTATION</b> 8 TO 11 CREDITS PUBH 8422 IS REQUIRED			
<b>Course</b>	<b>Title</b>	<b>Credits</b>	<b>Semester Taken/ Proposed</b>
PUBH 8422	Advanced Health Care and Public Health Research Design- <i>Prerequisites: Pass Comprehensive Exam, Approval of Program Director, &amp; One page abstract</i>	2 required	Fall Year 3
PUBH 8423	Dissertation Research DrPH Degree Dissertation Research <i>Prereq: PUBH 8422</i>	6 to 9 required	Multiple – may be taken in increments of 1 to 9 credits
<b>TOTAL PROGRAM</b>		<b>48 CREDITS</b>	
<b>PROFESSIONAL ENHANCEMENT EXPERIENCES</b> 8 CLOCK HOURS			
<b>Activity</b>	<b>Date</b>	<b>Hours</b>	

Global Health Doctoral students interested in electives offered by other departments within Milken Institute SPH should access the Program Guides for those department doctoral programs, or the Schedule of Classes, to identify other electives offered.

Course Descriptions may be found here: <http://publichealth.gwu.edu/academics/courses>

### **Program-Specific Competencies**

On completion of the DrPH Program in Global Health, students will possess the following functional competencies and subject area knowledge:

- Apply the theories and principles of epidemiology, economic and social development, and policy analysis to the identification, classification and elaboration of global health threats and opportunities at the community, national and international levels. Relevant Courses: PubH 8402, 8406, 8407, 8414, 8416, 8417, 8418, 8419, 8420, 8422, 8423
- Critically assess the functions, capacities, management and governance of governmental, international and non-state organizations in the translation of evidence and the application of scientific research to inform public health policy making and strategy development. Relevant Courses: PubH 8402, 8406, 8407, 8414, 8416, 8422, 8423
- Critically analyze complex global health trends, differentiating determinants that can be effectively addressed through technical, behavioral, social and economic interventions and prioritizing approaches based on economic affordability and political feasibility. Relevant Courses: PubH 8406, 8416, 8417, 8418, 8419, 8420, 8422, 8423
- Successfully apply public health theory and experiential evidence in the development and management of project, program and institutional strategies capable of reducing risks, addressing underlying vulnerabilities, and mitigating the impacts of the global burden of disease. Relevant Courses: PubH 8402, 8413, 8414, 8416, 8422, 8423
- Effectively synthesize health research findings with economic and social arguments to formulate communication strategies in global health action in various professional, institutional, political and cultural settings. Relevant Courses: PubH 8402, 8407, 8414, 8416, 8422, 8423
- Evaluate the benefits, costs and effectiveness of global health project, program and policy approaches and interventions through the appropriate choice and application of qualitative and quantitative survey and analysis methods. Relevant Courses: PubH 8406, 8416, 8417, 8418, 8420, 8422, 8423

### **Program Policies and Procedures**

For program policies and procedures, please refer to the Doctor of Public Health Handbook and other resources, located on the School's website: <http://publichealth.gwu.edu/>.

## DrPH Core Competencies- 2016

### Doctor of Public Health

revised this page 7/27/16

I=Introduced D=Developed M= Mastered

	PUBH 8401	PUBH 8402	PUBH 8403	PUBH 8404	PUBH 8405	PUBH 8406	PUBH 8407	PUBH 8408	PUBH 8409	PUBH 8411	PUBH 8412	PUBH 8416	PUBH 8417	PUBH 8418	PUBH 8419	PUBH 8420	PUBH 8422	PUBH 8423
<b>Program Specific Competencies</b>																		
<b>DrPH Core Competencies</b>																		
Analyze a public health problem and determine appropriate sources of data and methods for problem identification, program planning, implementation, monitoring, and evaluation.	D	D	D			D	M	M	M			D	D	D	D	D	M	M
Develop and analyze hypotheses and research propositions that can be tested by appropriate quantitative or qualitative research designs and methodologies.				D	D	D	M	M	M			D	D	D	D	D	M	M
Evaluate research tools including research design, statistical analysis data collection instruments and measurement systems.				D		D	D	D	D			D	D	D	D	D	M	M
Apply epidemiological and biostatistical techniques to studies designed to assure effective practice and policy decision-making in a field within public health. Students will possess epidemiological and biostatistical concepts/techniques necessary to successfully analyze and apply the results to epidemiological research to making and implementing												D		D	D	D	M	M
Design and conduct a qualitative study using appropriate theory and methods.													D					
Synthesize and evaluate research conducted by others.	I			M		I	D			D		M	M		D	M	M	M
Design strategies to accurately and effectively describe public health, economic, administrative, legal, social, political, and cultural implications of different health policy options.	I			D	D	D	D	M	D	D	I	D	D	D	D	D	D	M
Present public health data and research syntheses to scientific and professional audiences and the public.		D	D	M		D	D	M	I	I	I	D	D	D		D	D	M
Defend the feasibility and expected outcomes of different policy options and transform them into organizations, plans, processes, and programs.	I	D	D			D	D					D				M	D	M
Appraise the dynamic forces that contribute to cultural diversity and develop responsive plans and programs.		I	D			D	D	D	I			D		D				
Assess the determinants of health and illness, factors that contribute to health promotion and disease prevention, and factors that influence the use and cost of public health services in a population.	D			D		D	D	D	M			D				M	D	M
Describe the theory of organizational structure and its relation to professional practice.		D	D	D								I						
Support a culture of ethical standards of conduct in the research process and within organizations and communities.		I	D	I		D	D					D	D		D	M	D	M
Lead a team of diverse professionals reflecting shared values and vision to achieve specific objectives.		D	D						M			D						