

Milken Institute School of Public Health

THE GEORGE WASHINGTON UNIVERSITY

Department of Global Health PhD in Global Public Health Sciences 2022-2023

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

Program Director

Dr. Nirbhay Kumar
Department of Global Health
950 New Hampshire Avenue, NW 20052
800 22nd Street, NW Suite 7820
Washington, DC 20052
Email: nkumar@gwu.edu

Mission

The mission of the multidisciplinary Global Public Health Sciences PhD program is to educate individuals in global health focused on developing new knowledge in the methods or applications of global health sciences from the molecular to the community setting. Our scholars will be rigorously trained in science, including the use of sound methodological approaches and innovative thinking that can be translated into real-world applications of global health, with specific focus in the areas of population health, health systems, and infectious and chronic diseases.

Program Requirements

All Milken Institute School of Public Health (GWSPH) DGH PhD students are required to have completed a master's degree in a relevant field for entry into the PhD program. Comprising a total of 48 credits, students are required to complete specific Schoolwide Foundational Courses (8 credits), DGH Core Courses (13 credits), Tailoring Courses (specific electives- minimum 13 credits) and Dissertation Preparation and Research (11-14 credits).

Competencies

Students in the Department of Global Health PhD program will be able to:

1. Identify a wide range of global health concepts, theories, and methods;
2. Interpret general and specialized concepts and methodologies for scientific research in global health;
3. Apply general, specialized, and advanced concepts and methodologies for scientific research in global health;
4. Utilize sound methodological approaches and innovative thinking that will lead to new scientific knowledge that can be translated into real-world health applications in global health;
5. Understand how to identify and appropriately work with communities from which research participants are drawn and/or those who are most impacted by the conduct and results of the research;
6. Conduct independent research studies, analyze data and communicate results;
7. Apply guidelines for ethical research practice and responsible conduct of research;
8. Understand the roles of equity and social justice in global health research;
9. Disseminate research findings to scientific and lay audiences;
10. Develop the capacity to work multidisciplinary and within interprofessional settings, e.g., in collaboration with basic, clinical, and social and behavioral scientists in academia and research settings, and others in government, non-profit community settings, think tanks, and the private sector.

Milken Institute School of Public Health

THE GEORGE WASHINGTON UNIVERSITY

Department of Global Health

PhD in Global Public Health Sciences

2022-2023

Course Distribution Summary

- Total Credits = Minimum 48
- Required Schoolwide Foundation Courses and Research Methods = 8 credits
- Required DGH Core Courses = 13 credits
- Tailoring Electives = 13 credits minimum
- Dissertation preparation and dissertation 11-14 credits

UNIV 0250- GRADUATE TEACHING ASSISTANT CERTIFICATION. SUCCESSFUL COMPLETION OF THIS CERTIFICATION IS REQUIRED PRIOR TO TAKING ON ROLE AS TEACHING ASSISTANT. THIS ONLINE CERTIFICATION IS PAID FOR BY GW. THE 1-CREDIT RECEIVED FOR THIS CERTIFICATION IS NOT COUNTED TOWARD THE 48-CREDIT PHD PROGRAM.

MANY COURSES HAVE PREREQUISITES. MAKE SURE TO CHECK YOU HAVE MET THESE BEFORE ENROLLING

Required Schoolwide PhD Foundational and Research Methods Courses 8 Credits

		Credits	Semester(s) offered	
PUBH 6080^	Pathways to Public Health (<i>non-MPH grads</i>)	0	Fall (Year 1)	
PUBH 6421	Responsible Conduct of Research	1	Fall (Year 1)	
PUBH 8099	PhD Seminar: Cross Cutting Concepts in Public Health	1	Fall (Year 1)	
PUBH 6862	Applied Linear Regression Analysis for Public Health Research	3	Fall	
PUBH 8416	Study Design and Evaluation Methods	3	Spring	

Required Global PH Sciences Core Courses 13 Credits

		Credits	Semester(s) offered	
PUBH 6850 OR PUBH 6851 OR PUBH 6852	Introduction to SAS for Public Health Research OR Introduction to R for Public Health Research OR Introduction to Python for Public Health Research	1	Fall	
PUBH 6865	Applied Categorical Data Analysis	3	Spring	
PUBH 8406	Advanced Topics in Global Health: Doctoral Seminar Part 1	2	Fall	
PUBH 8407	Advanced Topics in Global Health: Doctoral Seminar Part 2	2	Spring	
PUBH 8470	Global Health Demographic Methods	3	Fall	
PUBH 8475	Research Ethics and Integrity in Domestic and International Research	2	Spring	

Example Specialization Areas 13 Credits Minimum (Plan must be approved in advance by advisor)

		Credits	Semester(s) offered	
Population Health Sciences Focus				
PUBH 6252	Advanced Epidemiologic methods	3	Fall/Spring	
PUBH 8472	Survey Research Methods	3	Spring	
PUBH 6563 + PUBH 8473	Global Child Health + Advanced Topics: Global Child Health	2 +1	Fall/Spring	
PUBH 8419	Measurement in Public Health and Health Services Research	3	Spring	
PUBH 6422	Injury and Global Public Health	1	Summer	
PUBH 6481	Global Mental Health	2	Spring	
PUBH 6486	Global Health Programs and Approaches to the Control of Infectious Diseases	2	Fall/Spring	
PUBH 6492	Global Health Programs and Approaches to the Control of Chronic Diseases	2	Fall	

Health Systems Focus				
PUBH 8419	Measurement in Public Health and Health Services Research	3	Spring	
PUBH 6475	Theory Building in Health System Research	2	Spring	
PUBH 8417	Qualitative Research Methods & Analysis	3	Spring	
SOC 6240	Field Research in Organizational Settings	3		
PSC 8132	Network Analysis	3		
EDUC 8131	Case Study Research Methods	3	Spring	
EDUC 8140	Ethnographic Research Methods	3	Spring	
EDUC 8142	Phenomenological Research Methods	3	Spring	
EMSE 6740	Systems Thinking and Policy Modeling I	3	Fall	
ORSC 6243	Seminar: Leadership in Complex Organizations	3	Spring	
ORSC 6245	Seminar: Organizational Behavior	3	Fall	
PPPA 8190	Philosophical Foundations of Policy and Administrative Research	3	Fall	
PPPA 8023	Mixed Methods in Research Design	3	Summer	
PUBH 8404	Health Systems & Health Policy Research	3	Spring	
Global Infectious Disease Focus				
PUBH 6484	Prevention and Control of Vector-Borne Diseases	2	Spring	
PUBH 6486	Global Health Programs and Approaches to the Control of Infectious Diseases	2	Fall	
PUBH 8486	Global Infectious Diseases – Advanced Doctoral Seminar	2	Fall	
MICR 8210	Infection and Immunity	3	Spring	
PUBH 6455	Global Vaccinology	3	Summer	
PUBH 6275	Essential Public Health Laboratory Skills	2	Summer / Fall	
PUBH 6245	Infectious Disease Epidemiology	2	Spring	
PUBH 6278	Public Health Virology	3	Spring	
PUBH 6277	Public Health Genomics	3	Spring	
Additional Relevant Offerings				
PUBH 6445	Quantitative Methods for Impact Evaluation	3	Spring	
PUBH 6495	Field Trials and Applications	2	Fall	
PUBH 6887	Applied Longitudinal Data Analysis for Public Health	2	Spring	
PUBH 6886	Statistical and Machine Learning for Public Health and Biomedical Research	3	Fall	
PUBH 8901	Independent Study	1-3	Summer/Fall/Spring	
	May Add Additional Tailoring Courses Approved in Advance by Advisor			
Dissertation Research 11-14 Credits				
		Credits		
PUBH 8435	PhD Dissertation Proposal Development	2	Fall/Spring	
PUBH 8999	Dissertation Research-Global Health Sciences	9-12	Summer/Fall/Spring	
Total		48		

^Pathways to Public Health course (PUBH 6080). As an accredited School of Public Health, curriculum in all graduate academic programs must provide a foundation in public health. If a student already holds a Public Health degree from an accredited program or school of Public Health, this requirement will be waived. Otherwise, this zero-credit, free, online course should be completed within one year of matriculation.

Summary of GWSPH Graduation Requirements for a PhD in Global Public Health Sciences

1. **Credits:** Successful completion of 48 credits as delineated in the PhD program guide.
2. **Curriculum:** Successful completion of all course requirements for the PhD program in Global Public Health Sciences.
3. **Teaching Assistantship:** All PhD students in the Department of Global Health are required to serve as Teaching Assistants a minimum of two times. Successful completion of the University Graduate Training Assistantship Certification (UNIV 0250) is required prior to serving as a Teaching Assistant.
4. **Qualifying Examination:** After successfully completing all course requirements, students must pass the comprehensive exam and dissertation proposal in order to be officially admitted to the candidacy phase.
5. **Dissertation:** Completion of 9-12 credits of dissertation research. Once the proposal has been successfully defended and the dissertation research credit requirement has been met, the oral defense may be scheduled.
6. **Grade point average:** A minimum overall grade point average of *B* (3.0).
7. **Time limit:** The degree must be completed within seven years of matriculation.
8. **CITI training requirement:** Successful completion of training regarding human subjects protections and compliance with the Health Insurance Portability and Accountability Act of 1996 (HIPAA). To fulfill this requirement, students must complete the Collaborative IRB Training Initiative (CITI) Course in the Protection of Human Research Subjects.
9. **Integrity Quiz and Plagiarism requirement:** All students are required to review the George Washington University Code of Academic Integrity, take the quiz within their first semester of study, and submit pertinent documentation to the GWSPH Office of Student Records. See <https://studentconduct.gwu.edu/code-academic-integrity>.
10. **Professional Enhancement Activity requirement:** To supplement the academic curriculum of all GWSPH degree programs, students must attend eight (8) hours of advisor pre-approved public health-related lectures, seminars, symposia, or other professional meeting related to the student's field of study or interest. Students must submit documentation of Professional Enhancement activities to the GWSPH Office of Student Records. For the required form, see <https://publichealth.gwu.edu/sites/default/files/gwsp-professional-enhancement-policy-form.pdf>.