

**University of South Florida, College of Public Health
Department of Global Health**

PhD: Global Health

A **Doctor of Philosophy** graduate with a concentration in Global Health will be able to:

1. Define and formulate a research hypothesis that will provide information aimed at improving the health of individuals and communities with a focus on, but not confined to tropical infectious disease research
2. Develop and apply laboratory and field methodologies to test a research hypothesis, including quality assurance/quality control techniques and statistical methods that test the validity and significance of research data
3. Demonstrate the oral and writing skills, and experimental design, worthy of defending a dissertation and publication in academic and professional journals
4. Work as a productive member of a research team and collaborative in writing research proposals to obtain extramural funding to support research projects
5. Demonstrate ethical considerations in the practice, management and publication of research results

Summary of GH doctoral degree course and teaching requirements

- 1) Course requirement
 - Total credit hours required is 90 beyond bachelor's degree; note that tools of research and public health (PH) core classes are not included in the 90 hours credit requirement; the 90 required credit hours need to include the following category of courses
 - Advanced biostatistics course - minimum 3 hrs
 - Required 7000 level courses – minimum 13 hrs
 - Recommended (elective) courses as approved by doctoral committee
 - Directed research (prior to admission to candidacy)
 - Dissertation hours (after admission to candidacy) – min 18 hours
 - Can include maximum of 30 hrs transfer from previous masters degree
 - Tools of research in 2 areas as approved by the doctoral committee
 - Minimum of 9 credit hours of prerequisite PH core classes
- 2) Evidence of teaching proficiency as approved by doctoral committee

Courses	Competencies				
	1	2	3	4	5
Prerequisite Core Courses	1	2	3	4	5
PHC 6000 Epidemiology	√	√			
PHC 6050 Biostatistics I		√	√		
PHC 6410 Social and Behavioral Sciences Applied to Health	√				√
PHC 6357 Environmental and Occupational Health	√			√	
PHC 6102 Principles of Health and Policy Management	√				√
Recommended (elective) Department Courses	1	2	3	4	5
PHC 6251 Disease Surveillance and Monitoring		√			
PHC 6510 Exotic and Emerging Infectious Disease	√	√	√		
PHC 6560 The Public Health Laboratory System	√	√			√
PHC 6511 Public Health Immunology	√	√			√
PHC 6512 Vectors of Human Disease	√	√	√		
PHC 6513 Public Health Parasitology	√	√	√		
PHC 6517 Infectious Disease Prevention Strategies	√				
PHC 6314 Infection Control Program Design			√		√
PHC 6514 Infectious Disease Control in Developing Countries	√	√	√		
PHC 6562 Microbiology for Healthcare Workers	√	√	√		
PHC 6934 Virology	√	√	√		
PHC 7935 Vaccinology	√	√	√		
Departmental required/highly recommended Courses	1	2	3	4	5
PHC 7910 Directed Research		√		√	
PHC 7931 Advanced Seminar in Public Health			√	√	
PHC 7957 Biostatistics II*		√	√		
PHC 6053 Categorical Data Analysis*		√	√		
PHC 6701 Computer Application for PH Researchers*		√	√		
*Also may be applied towards credits for “tools of research” subject to approval by doctoral committee					
Suggested courses for Tools of Research	1	2	3	4	5
GMS 6103 Experimental Design and Analysis (3 credits)**		√	√		
PHC 6934 Laboratory Techniques in Public Health		√		√	
GMS 6935 Scientific Writing & Ethics			√	√	
Suggested Courses Outside of COPH**	1	2	3	4	5
BHC 6888 Bioinformatics (3 credits)		√	√		
PHC 7931 Functional Genomics & Genomic Medicine Seminar	√		√	√	