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

MPH: Global Disaster Management, Humanitarian Relief and Homeland Security

The concentration of disaster management, humanitarian relief, and homeland security, plays an important role in global health, especially in areas of armed conflict and natural disasters. With the increase in weapons of mass destruction, including nuclear and biological threats from terrorist groups and radical states, the need for formal training and education has increased. Local and international organizations, governments and United Nation agencies are in need of highly trained professionals to manage and direct programs to reduce both the homeland and global public health threats that continue to plague us. Where and when the next tsunami or earthquake will strike, or how the next terrorist group will respond is unknown. But the logic behind professionally mitigating and preparing for one of these incidences places us in a stronger position to respond domestically and internationally. This concentration builds on the existing framework of the College of Public Health core courses, field experience and special project. Combining this framework with existing disaster management and humanitarian courses will provide graduates with the ability to recognize, assess, implement and evaluate a global or local disaster.

Competencies: In addition to the overall Master of Public Health degree competencies, graduates with a concentration in *Global Disaster Management, Humanitarian Relief and Homeland Security* will:

- 1. Describe the disaster cycle.
- 2. Understand the role of the local, state and federal government in the recovery process.
- 3. Understand the eight key fundamentals of the strategy underlying critical infrastructure protection
- 4. Utilize the six analytical tools used for critical infrastructure analysis
- 5. Understand the USA Patriot Act (2001), Homeland Security Act (2002) and other Homeland Security statutes and policy documents.
- 6. Discuss the shift from disaster management practices towards an integrated disaster risk reduction approach in the context of sustainable development.
- Understand at least two methods of assessment for specific emergency situations in the field.
- 8. Develop, implement, and monitor adequacy of services provided to affected populations.
- 9. Articulate the historic and evolving role of humanitarian assistance.
- 10. Conduct a critical analysis of early warning systems.
- 11. Apply environmental health principles to establish a safe water supply and to implement sanitary measures.
- 12. Prepare and implement a plan to integrate displaced persons into the local community.
- 13. Know basic leadership skills to overcome challenges in humanitarian assistance;
- 14. Analyze and interpret the pervasive threat created by terrorism and WMD within the context of public health to include bioterrorism, agro-terrorism, disease surveillance, and pandemic fears.
- 15. Analyze current public health vulnerability analyses and risk assessment systems to include the medical surge impact on communities, public health's role in the National Response Framework, and general public health preparedness capabilities.
- 16. Evaluate the legal aspects of Homeland Security as it relates to the 4th Amendment and civil liberties.
- 17. Analyze the role of the public health professional in fighting infectious diseases.
- 18. Analyze the role of immunization in halting the spread of diseases and as a tool in quarantine strategy.

Association between courses and the competencies for MPH with a Global Disaster Management, Humanitarian Assistance and Homeland Security Concentration

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Courses	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Required Courses																		
PHC 6183 Overview of US &																		
International Disaster																		
Management																		
PHC 6230 Foundations of																		
Humanitarian Assistance																		
PHC 6234 Public Health																		
Implications and Concerns in																		
Homeland Security																		
Choose 5 of the following																		
PHC 6184 Disaster Recovery																		
PHC 6185 Disaster Preparedness																		
& Planning Concepts																		
PHC 6186 Public Health							١.											
Emergencies in Large Populations																		
PHC 6231 Organizing Emergency																		
Humanitarian Action										$\sqrt{}$	$\sqrt{}$							
PHC 6232 From Emergency to																		
Development and Prevention												$\sqrt{}$						
PHC 6233 Current Challenges in													,					
the Humanitarian Field													$\sqrt{}$					
PHC 6235 Critical Infrastructure			١.	١.														
Protection for Public Health																		
Concepts																		
PHC 6236 Business Continuity for													,					
Global Health and Security													$\sqrt{}$					
PHC 6237 Homeland Security:					 ,											,		
Law, Policy, and Public Health	<u> </u>															$\sqrt{}$		
PHC 6373 Protecting Public																	,	,
Health: Bioterrorism and																		√
Biodefense																		