

12 Public Health Foundational Objectives and Course Taught In	MPH 701	MPH 720	MPH 754	MPH 802	MPH 818
1. Explain public health history, philosophy and values		x	x		x
2. Identify the core functions of public health and the 10 Essential Services		x			
3. Explain the role of quantitative and qualitative methods and sciences in describing and assessing a population's health	x	x	x		
4. List major causes and trends of morbidity and mortality in the US or other community relevant to the school or program		x	x		
5. Discuss the science of primary, secondary and tertiary prevention in population health, including health promotion, screening, etc.	x	x	x		
6. Explain the critical importance of evidence in advancing public health knowledge	x	x	x		
7. Explain effects of environmental factors on a population's health	x			x	
8. Explain biological and genetic factors that affect a population's health			x	x	
9. Explain behavioral and psychological factors that affect a population's health	x	x			x
10. Explain the social, political and economic determinants of health and how they contribute to population health and health inequities		x			x
11. Explain how globalization affects global burdens of disease			x	x	
12. Explain an ecological perspective on the connections among human health, animal health and ecosystem health (eg, One Health)				x	x

22 Public Health Foundational Competencies and Course Taught In	MPH 701	MPH 720	MPH 754	MPH 802	MPH 818
Evidence-based Approaches to Public Health					
1. Apply epidemiological methods to the breadth of settings and situations in public health practice	x		x		
2. Select quantitative and qualitative data collection methods appropriate for a given public health context	x	x	x		
3. Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate	x	x	x		
4. Interpret results of data analysis for public health research, policy or practice	x		x		
Public Health and Health Care Systems					
5. Compare the organization, structure and function of health care, public health and regulatory systems across national and international settings		x			
6. Discuss the means by which structural bias, social inequities and racism undermine health and create challenges to achieving health equity at organizational, community and societal levels					x
Planning and Management to Promote Health					
7. Assess population needs, assets and capacities that affect communities' health		x		x	
8. Apply awareness of cultural values and practices to the design or implementation of public health policies or programs					x
9. Design a population-based policy, program, project or intervention			x		
10. Explain basic principles and tools of budget and resource management		x	x		
11. Select methods to evaluate public health programs	x	x	x		
Policy in Public Health					
12. Discuss multiple dimensions of the policy-making process, including the roles of ethics and evidence		x	x	x	
13. Propose strategies to identify stakeholders and build coalitions and partnerships for influencing public health outcomes		x		x	x
14. Advocate for political, social or economic policies and programs that will improve health in diverse populations		x			x
15. Evaluate policies for their impact on public health and health equity		x		x	
Leadership					
16. Apply principles of leadership, governance and management, which include creating a vision, empowering others, fostering collaboration and guiding decision making		x			x
17. Apply negotiation and mediation skills to address organizational or community challenges		x			
Communication					
18. Select communication strategies for different audiences and sectors	DMP 815; FNDH 880 or KIN 796 (Depending on Emphasis Area)				
19. Communicate audience-appropriate public health content, both in writing and through oral presentation	DMP 815; FNDH 880 or KIN 796 (Depending on Emphasis Area)				
20. Describe the importance of cultural competence in communicating public health content		x			x
Interprofessional Practice					
21. Perform effectively on interprofessional teams		x			x
Systems Thinking					
22. Apply systems thinking tools to a public health issue			x	x	