## MPH Curriculum Map 2021

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CEPH FOUNDATIONAL KNOWLEDGE	PH 302
Explain public health history, philosophy and values	B/I
2. Identify the core functions of public health and the 10 Essential Services*	B/I
3. Explain the role of quantitative and qualitative	
methods and sciences in describing and assessing a population's health	B/I
List major causes and trends of morbidity and	
mortality in the US or other community relevant to the	
school or program	B/I
5. Discuss the science of primary, secondary and tertiary	
prevention in population health, including health	
promotion, screening, etc.	B/I
Explain the critical importance of evidence in	
advancing public health knowledge	B/I
7. Explain effects of environmental factors on a	
population's health	B/I
Explain biological and genetic factors that affect a	
population's health	B/I
Explain behavioral and psychological factors that	
affect a population's health	B/I
<ol><li>Explain the social, political and economic</li></ol>	
determinants of health and how they contribute to	١.
population health and health inequities	B/I
11. Explain how globalization affects global burdens of	
disease	B/I
12. Explain an ecological perspective on the	
connections among human health, animal health and	D //
ecosystem health (eg, One Health)	B/I

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CEPH CORE COMPETENCIES	PH 302	PH 310	PH 311	PH 319	PH 322	PH 330	PH 331	PH 340	PH 350	PH 360	PH 390	PH 333	PH 393	PH 321	PH 320	PH 323	PH 324	PH 332	PH 351	PH 352	PH 391	PH 392
Evidence-based Approaches to Public Health																						
Apply epidemiological methods to the breadth of																						1
settings and situations in public health practice	B/I				B/I				B/I								Α					
Select quantitative and qualitative data collection																						1
methods appropriate for a given public health context		B/I	B/I	B/I	B/I				B/I		I			B/I	B/I	Α	Α		Α	A	A	Α
<ol><li>Analyze quantitative and qualitative data using</li></ol>																						1
biostatistics, informatics, computer-based programming																						
and software, as appropriate				B/I	B/I				B/I					B/I	B/I	Α	Α		Α	Α		
4. Interpret results of data analysis for public health																						1
research, policy or practice	B/I	B/I	B/I		B/I	I			B/I		I		B/I	B/I		Α	Α		Α	Α	Α	Α
Public Health & Health Care Systems																						
5. Compare the organization, structure and function of																						
health systems across national and international																						
settings							B/I	B/I					B/I									1
6. Discuss the means by which structural bias, social																						
inequities and racism undermine health and create																						
challenges to achieving health equity		B/I					B/I	B/I										Α				
Planning & Management to Promote Health																						
7. Assess population needs, assets and capacities that																						1
affect communities' health	B/I	B/I	B/I		B/I	I			B/I				I	B/I			Α				Α	Α
8. Apply awareness of cultural values and practices to																						
the design, implementation or critique of public health																						
policies or programs	J	B/I						B/I		I	I							Α			Α	Α
9. Design a population-based policy, program, project or																						T
intervention	B/I	B/I						B/I	B/I				I					Α			Α	Α
10. Explain basic principles and tools of budget and																						
resource management, specifically after funding for a	1				l	l	l				l										1	
project is secured	J					B/I		B/I										Α				

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11. Select methods to evaluate public health programs				B/I	B/I				I/A		I			B/I			Α	Α	Α	Α	Α	Α
Policy in Public Health																						
12. Discuss the policy-making process	B/I					I		B/I										Α				
13. Propose strategies to identify stakeholders and																						
build coalitions and partnerships for influencing public																						
health outcomes								B/I													Α	Α
14. Advocate for political, social or economic policies																						
and programs that will improve health in diverse																						
populations	J					B/I						B/I										
15. Evaluate policies for their impact on public health																						
and health equity	B/I		B/I		B/I	I	B/I		I/A													
Leadership																						
16. Apply leadership and/or management principles to																						
address a relevant issue; such principles may include																						
creating a vision, empowering others, fostering																						
collaboration, and guiding decision making								B/I		B/I												
17. Apply negotiation and mediation skills to address																						
organizational or community challenges	B/I							B/I					I									
Communication																						
18. Select communication strategies for different																						
audiences and sectors		B/I	B/I					B/I		1											Α	Α
19. Communicate audience-appropriate (i.e., non-																						
academic, non-peer audience) public health content,																						
both in writing and through oral presentation	B/I	B/I							I/A	I/A			I								Α	Α
20. Describe the importance of cultural competence in																						
communicating public health content										1												Α
Interprofessional and/or Intersectoral Practice					•						•											
21. Integrate perspectives from other sectors and/or																						
professions to promote and advance population health																						
								B/I				I/A										
Systems Thinking																						
22. Apply a systems thinking tool to visually represent a																						
public health issue in a format other than standard																		1_				
narrative	B/I				B/I		ļ		I/A									Α			А	Α
Concentration: Evidence-based Public Health	1																					
Practice		_																				
C1.Apply evidence-based approaches in the design		1.	1.		l .													1				
and management of health programs	<u> </u>	B/I	B/I		B/I					ĮI.	l .							Α			Α	Α
C2. Design quantitative and qualitative studies to											l.											
investigate public health problems	<u> </u>				B/I	ļ	1	1	1		I	ļ	ļ				Α	Α	Α	Α		
C3. Collect primary quantitative and qualitative data for																		1				
decision-making	<u> </u>																Α		Α	Α		
C4. Organize and manage data for analysis and															l .			1				
decision-making	<u> </u>														B/I	A	Α	Α	Α	Α		
C5. Analyze primary and secondary data for decision-					l .													1				
making	<u> </u>				B/I	I	l .									A	Α		Α	Α		
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C6. Synthesize quantitative and qualitative data for decision-making																				Α	Α	Α