

Public Health Competencies – UNE MPH Program

	Specific Competencies	GPH 714: Principles of Public Health	GPH 702: Public Health Policy & Management	GPH 712: Principles of Epidemiology	GPH 716: Biostatistics	GPH 719: Research Methods	GPH 722: Introduction to Environmental Health	GPH 726: Social & Behavioral Health	GPH 704: Public Health Law & Ethics	GPH 705: Community Based Participatory Research	GPH 706: Public Health Administration	GPH 709: Public Health Emergency Preparedness	GPH 713: Infectious Disease Epidemiology	GPH 717: Applied Epidemiology	GPH 720: Organizational Theory & Behavior	GPH 724: Occupational Health	GPH 725: Public Health Financial Management	GPH 728: Health Literacy & Plain Language	GPH 730: Health Care Economics	GPH 732: Community Assessment	GPH 734: The Obesity Epidemic	GPH 735: Health Information Systems	GPH 738: Program Planning & Evaluation	GPH 740: Global Health	GPH 745: Practical Experience	GPH 746: Capstone
	A. BIOSTATISTICS Biostatistics is the development and application of statistical reasoning and methods in addressing, analyzing and solving problems in public health; health care; and biomedical, clinical and population-based research.																									
A.1.	Describe the roles biostatistics serves in the discipline of public health.				✓	✓																				
A.2.	Describe basic concepts of probability, random variation and commonly used statistical probability distributions.				✓	✓																				
A.3.	Describe preferred methodological alternatives to commonly used statistical methods when assumptions are not met.																									
A.4.	Distinguish among the different measurement scales and the implications for selection of statistical methods to be used based on these distinctions				✓																✓					
A.5.	Apply descriptive techniques commonly used to summarize public health data.	✓			✓	✓														✓						
A.6.	Apply common statistical methods for inference.				✓	✓																				
A.7.	Apply descriptive and inferential methodologies according to the type of study design for answering a particular research question.				✓																					
A.8.	Apply basic informatics techniques with vital statistics and public health records in the description of public health characteristics and in public health research and evaluation.																									
A.9.	Interpret results of statistical analyses found in public health studies.				✓	✓					✓								✓		✓					
A.10.	Develop written and oral presentations based on statistical analyses for both public health professionals and educated lay audiences.				✓															✓						

Public Health Competencies – UNE MPH Program

	Specific Competencies	GPH 714: Principles of Public Health	GPH 702: Public Health Policy & Management	GPH 712: Principles of Epidemiology	GPH 716: Biostatistics	GPH 719: Research Methods	GPH 722: Introduction to Environmental Health	GPH 726: Social & Behavioral Health	GPH 704: Public Health Law & Ethics	GPH 705: Community Based Participatory Research	GPH 706: Public Health Administration	GPH 709: Public Health Emergency Preparedness	GPH 713: Infectious Disease Epidemiology	GPH 717: Applied Epidemiology	GPH 720: Organizational Theory & Behavior	GPH 724: Occupational Health	GPH 725: Public Health Financial Management	GPH 728: Health Literacy & Plain Language	GPH 730: Health Care Economics	GPH 732: Community Assessment	GPH 734: The Obesity Epidemic	GPH 735: Health Information Systems	GPH 738: Program Planning & Evaluation	GPH 740: Global Health	GPH 745: Practical Experience	GPH 746: Capstone
	F. COMMUNICATION AND INFORMATICS The ability to collect, manage and organize data to produce information and meaning that is exchanged by use of signs and symbols; to gather, process, and present information to different audiences in-person, through information technologies, or through media channels; and to strategically design the information and knowledge exchange process to achieve specific objectives.																									
F.1.	Describe how the public health information infrastructure is used to collect, process, maintain, and disseminate data.												✓									✓				
F.2.	Describe how societal, organizational, and individual factors influence and are influenced by public health communications.												✓					✓								
F.3.	Discuss the influences of social, organizational and individual factors on the use of information technology by end users.																					✓				
F.4.	Apply theory and strategy-based communication principles across different settings and audiences.																	✓								
F.5.	Apply legal and ethical principles to the use of information technology and resources in public health settings.								✓				✓					✓				✓				
F.6.	Collaborate with communication and informatics specialists in the process of design, implementation, and evaluation of public health programs.												✓									✓				
F.7.	Demonstrate effective written and oral skills for communicating with different audiences in the context of professional public health activities.								✓		✓		✓				✓	✓		✓					✓	✓
F.8.	Use information technology to access, evaluate, and interpret public health data.				✓	✓		✓					✓							✓						✓
F.9.	Use informatics methods and resources as strategic tools to promote public health.																	✓				✓				
F.10.	Use informatics and communication methods to advocate for community public health programs and policies.																					✓				

Public Health Competencies – UNE MPH Program

	Specific Competencies	GPH 714: Principles of Public Health	GPH 702: Public Health Policy & Management	GPH 712: Principles of Epidemiology	GPH 716: Biostatistics	GPH 719: Research Methods	GPH 722: Introduction to Environmental Health	GPH 726: Social & Behavioral Health	GPH 704: Public Health Law & Ethics	GPH 705: Community Based Participatory Research	GPH 706: Public Health Administration	GPH 709: Public Health Emergency Preparedness	GPH 713: Infectious Disease Epidemiology	GPH 717: Applied Epidemiology	GPH 720: Organizational Theory & Behavior	GPH 724: Occupational Health	GPH 725: Public Health Financial Management	GPH 728: Health Literacy & Plain Language	GPH 730: Health Care Economics	GPH 732: Community Assessment	GPH 734: The Obesity Epidemic	GPH 735: Health Information Systems	GPH 738: Program Planning & Evaluation	GPH 740: Global Health	GPH 745: Practical Experience	GPH 746: Capstone
	G. DIVERSITY AND CULTURE The ability to interact with both diverse individuals and communities to produce or impact an intended public health outcome.																									
G.1.	Describe the roles of, history, power, privilege and structural inequality in producing health disparities.		✓						✓	✓			✓								✓					
G.2.	Explain how professional ethics and practices relate to equity and accountability in diverse community settings.								✓				✓													
G.3.	Explain why cultural competence alone cannot address health disparity.										✓							✓								
G.4.	Discuss the importance and characteristics of a sustainable diverse public health workforce.										✓															
G.5.	Use the basic concepts and skills involved in culturally appropriate community engagement and empowerment with diverse communities.									✓																
G.6.	Apply the principles of community-based participatory research to improve health in diverse populations.									✓																
G.7.	Differentiate among availability, acceptability, and accessibility of health care across diverse populations.																									
G.8.	Differentiate between linguistic competence, cultural competency, and health literacy in public health practice.																	✓								
G.9.	Cite examples of situations where consideration of culture-specific needs resulted in a more effective modification or adaptation of a health intervention.	✓								✓			✓													
G.10.	Develop public health programs and strategies responsive to the diverse cultural values and traditions of the communities being served.									✓																✓

Public Health Competencies – UNE MPH Program

	Specific Competencies	GPH 714: Principles of Public Health	GPH 702: Public Health Policy & Management	GPH 712: Principles of Epidemiology	GPH 716: Biostatistics	GPH 719: Research Methods	GPH 722: Introduction to Environmental Health	GPH 726: Social & Behavioral Health	GPH 704: Public Health Law & Ethics	GPH 705: Community Based Participatory Research	GPH 706: Public Health Administration	GPH 709: Public Health Emergency Preparedness	GPH 713: Infectious Disease Epidemiology	GPH 717: Applied Epidemiology	GPH 720: Organizational Theory & Behavior	GPH 724: Occupational Health	GPH 725: Public Health Financial Management	GPH 728: Health Literacy & Plain Language	GPH 730: Health Care Economics	GPH 732: Community Assessment	GPH 734: The Obesity Epidemic	GPH 735: Health Information Systems	GPH 738: Program Planning & Evaluation	GPH 740: Global Health	GPH 745: Practical Experience	GPH 746: Capstone
	H. LEADERSHIP The ability to create and communicate a shared vision for a changing future; champion solutions to organizational and community challenges; and energize commitment to goals.																									
H.1.	Describe the attributes of leadership in public health.		✓								✓				✓											
H.2.	Describe alternative strategies for collaboration and partnership among organizations, focused on public health goals.		✓																							
H.3.	Articulate an achievable mission set of core values, and vision.											✓														
H.4.	Engage in dialogue and learning from others to advance public health goals.	✓																			✓			✓		
H.5.	Demonstrate team building, negotiation, and conflict management skills.										✓		✓													
H.6.	Demonstrate transparency, integrity, and honesty in all actions.												✓										✓		✓	
H.7.	Use collaborative methods for achieving organizational and community health goals.									✓			✓												✓	
H.8.	Apply social justice and human rights principles when addressing community needs.								✓	✓														✓		✓
H.9.	Develop strategies to motivate others for collaborative problem solving, decision-making, and evaluation.												✓							✓						

Public Health Competencies – UNE MPH Program

	Specific Competencies	GPH 714: Principles of Public Health	GPH 702: Public Health Policy & Management	GPH 712: Principles of Epidemiology	GPH 716: Biostatistics	GPH 719: Research Methods	GPH 722: Introduction to Environmental Health	GPH 726: Social & Behavioral Health	GPH 704: Public Health Law & Ethics	GPH 705: Community Based Participatory Research	GPH 706: Public Health Administration	GPH 709: Public Health Emergency Preparedness	GPH 713: Infectious Disease Epidemiology	GPH 717: Applied Epidemiology	GPH 720: Organizational Theory & Behavior	GPH 724: Occupational Health	GPH 725: Public Health Financial Management	GPH 728: Health Literacy & Plain Language	GPH 730: Health Care Economics	GPH 732: Community Assessment	GPH 734: The Obesity Epidemic	GPH 735: Health Information Systems	GPH 738: Program Planning & Evaluation	GPH 740: Global Health	GPH 745: Practical Experience	GPH 746: Capstone
	K. PROGRAM PLANNING The ability to plan for the design, development, implementation, and evaluation of strategies to improve individual and community health.																									
K.1.	Describe how social, behavioral, environmental, and biological factors contribute to specific individual and community health outcomes.							✓												✓	✓		✓	✓		
K.2.	Describe the tasks necessary to assure that program implementation occurs as intended.																						✓			✓
K.3.	Explain how the findings of a program evaluation can be used.																✓						✓			✓
K.4.	Explain the contribution of logic models in program development, implementation, and evaluation.							✓															✓			
K.5.	Differentiate among goals, measurable objectives, related activities, and expected outcomes for a public health program.							✓				✓											✓			
K.6.	Differentiate the purposes of formative, process, and outcome evaluation.											✓											✓			
K.7.	Differentiate between qualitative and quantitative evaluation methods in relation to their methods, strengths, limitations, and appropriate uses and emphases on reliability and validity.																			✓			✓			
K.8.	Prepare a program budget with justification.																✓						✓			
K.9.	In collaboration with others, prioritize individual, organizational, and community concerns and resources for public health programs.																✓			✓			✓			
K.10.	Assess evaluation reports in relation to their quality, utility, and impact on public health.																						✓			

Public Health Competencies – UNE MPH Program

	Specific Competencies	GPH 714: Principles of Public Health	GPH 702: Public Health Policy & Management	GPH 712: Principles of Epidemiology	GPH 716: Biostatistics	GPH 719: Research Methods	GPH 722: Introduction to Environmental Health	GPH 726: Social & Behavioral Health	GPH 704: Public Health Law & Ethics	GPH 705: Community Based Participatory Research	GPH 706: Public Health Administration	GPH 709: Public Health Emergency Preparedness	GPH 713: Infectious Disease Epidemiology	GPH 717: Applied Epidemiology	GPH 720: Organizational Theory & Behavior	GPH 724: Occupational Health	GPH 725: Public Health Financial Management	GPH 728: Health Literacy & Plain Language	GPH 730: Health Care Economics	GPH 732: Community Assessment	GPH 734: The Obesity Epidemic	GPH 735: Health Information Systems	GPH 738: Program Planning & Evaluation	GPH 740: Global Health	GPH 745: Practical Experience	GPH 746: Capstone
	GPPH COMPETENCIES																									
GPPH 1	Engage rural communities to address health disparities.																									
GPPH 2	Apply the principles of community-based, participatory research to promote social justice and improve health.																									
GPPH 3	Apply plain language and evidence-based health literacy in the context of public health communications.																									