

MPH Course Schedule Plan*
All courses are 3 credits.

Core Courses	On-line	Hybrid (onsite or online)
<p>PUH 5220 Environmental and Occupational Health Investigates environmental and occupational factors that contribute to the development of health problems in industrialized and developing countries. Includes such topics as toxic substances, pests and pesticides, food quality, air and water pollution, solid and hazardous waste disposal, occupational hazards, and injury prevention.</p>	Summer, Winter	Fall
<p>PUH 5301 Biostatistics Focuses on the principles and reasoning underlying modern biostatistics and on specific inferential techniques commonly used in public health research. Students will be able to apply basic inferential methods in research endeavors and improve their abilities to understand the data analysis of health-related research articles.</p>	Fall, Winter	Winter
<p>PUH 5430 Epidemiology Examines basic principles and methods of modern epidemiology used to assess disease causation and distribution. Students develop conceptual and analytical skills to measure association and risk, conduct epidemiological surveillance, evaluate screening and diagnostic tests, as well as investigate disease outbreaks and epidemics.</p>	Fall, Winter	Fall
<p>PUH 5512 Health Policy, Planning, and Management Discusses principles and logic involved in health policy, planning, and management. Addresses history, political, and environmental contexts, and their incorporation into population research.</p>	Fall, Winter	Fall
<p>PUH 6001 Social and Behavioral Sciences Applied to Health Introduces students to the social, cultural, and behavioral foundations of modern public health practice as applied to interventions for disease prevention and health enhancement. Reviews the linkage between public health and other social sciences. Students gain knowledge and awareness of today's most pressing public health problems and the social and behavioral factors determining them.</p>	Fall, Winter	Winter
<p>PUH 5512 Ethical Issues in Public Health Introduces the important role ethics plays in determining the public's health.</p>	Fall, Winter	Winter
<p>PUH 6604 Research Methods in Public Health Provides an intermediate level review of basic research methodology, concepts, and principles common in public health and epidemiological studies. Issues related to the design, development, and realization of public health studies, including sampling,</p>	Fall, Winter	Fall

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surveying, data collection, and management as well as the interpretation and reporting of findings are discussed. Prerequisites: PUH 5430, PUH 5301		
<p>PUH 6002 Applied Practice Experience Applied Practice Experience is a unique opportunity for graduate students to integrate and apply practical knowledge and skills learned through coursework in a public practice setting. The Applied Practice Experience allows each student to demonstrate attainment of at least five competencies, of which at least three must be found. The course director assesses each student's competency attainment through products that are produced for the site's use and benefit. Students give an oral presentation to the course director at the end of the semester they are registered for. There are scheduled meetings for this course. Prerequisites: PUH 5220; PUH 5301; PUH 5430; PUH 5512; PUH 6001.</p>		Fall, Winter, Summer
<p>PUH 6700 Integrative Learning Experience MPH students will complete a culminating, integrative learning experience in the final year or semester prior to graduation that demonstrates synthesis of the foundational and program-specific public health competencies. Students, in consultation with faculty, will select a public health topic, population, and foundational and program-specific competencies that are aligned with the student's educational and professional goals, on which their final ILE project will be based. The ILE final project will be an outward-facing public health resources that will benefit a community and/or external give an oral presentation to the course director at the end of the semester they are registered for. There will be scheduled meetings for this course. Prerequisites: PUH 5220, PUH 5301, PUH 5430, PUH 5512, PUH 6001</p>	Fall, Winter, Summer	

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Elective Courses	Online	Hybrid (onsite or online)
<p>PUH 5004 Public Health Grant Writing Introduces the skills of grant writing in public health. These skills include seeking funding opportunities; performing needs assessments; developing goals, objectives, and implementation plans; articulating specific aims, writing literature reviews that express the background and relevance of one’s proposal; identifying target populations; crafting a research strategy; constructing a budget and budget justification; formulating an evaluation plan; and submitting one’s grant proposal.</p>	Summer	
<p>PUH 5015 Public Health Leadership Focuses on theories, frameworks, and practices associated with effective public health leadership. Emphasizes strategic planning processes and organizational dynamics that public health leaders should consider when solving complex problems, exerting influence, and building a diverse workforce.</p>	Summer	
<p>PUH 5016 Health Promotion Program: Planning, Implementation, Evaluation Health promotion program planning and evaluation includes everything from assessing needs, setting goals and objectives, planning activities, implementation and measuring outcomes.</p>	Winter	
<p>PUH 5017 Contemporary Issues in Public Health Focuses on key contemporary public health issues at the local, state, national, and global levels. In this course, students review evidence from recent public health research to understand current issues and think critically about programs, policies, and other initiatives addressing these issues.</p>	Fall, Winter, Summer	
<p>PUH 5110 Culture, Ethnicity, and Health Explores traditional modalities of health among various populations and ethnomedical systems. Introduces students to skills and insights necessary in promoting health in diverse populations. Issues discussed include the need for effective communication, with an understanding of cultural factors and how they impact behavior, preventive efforts, health care status, and utilization patterns of the health care system, and expenditures.</p>	Summer	
<p>PUH 5111 Public Health Issues of the Elderly Examines important determinants of morbidity and mortality among the older population. Emphasizes sociocultural, economic, behavioral, and physical characteristics of importance in the design and development of appropriate prevention efforts directed at the elderly.</p>	Summer	

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<p>PUH 5115 Principles of Health Education Fundamental concepts of health education, contemporary health education philosophy, and the process to become a Certified Health Education Specialist (CHES). It provides an overview of the National Commission for Health Education Credentialing’s eight areas of responsibility for health education specialists.</p>		Winter
<p>PUH 5210 Public Health Communication and Marketing Provides a framework for designing, implementing, and evaluating public health communication and marketing campaigns. Explores modern communication and marketing tools, technologies, and strategies, including social media platforms, media advocacy, cross-cultural communication, and crisis communication.</p>	Fall	
<p>PUH 5305 Advanced Biostatistics This course addresses advanced statistical methodologies for students who want to pursue research in the public health or medical professions. The concepts of regression, correlation, and prediction will provide practical methods to answer clinical/ health research questions. Three types of regressions (linear, logistic, and time-to-event) are taught. Prerequisite: PUH 5301</p>	Summer	
<p>PUH 5311 Public Health Genomics Addresses the principles and practices of genetics and genomics, with emphasis on the ethical, legal, and social issues associated with the application of genetics and genomics in public health practice.</p>	Winter	
<p>PUH 5314 Global Health This course addresses global health problems and trends translated to the needs and demands of populations, as well as the socioeconomic and political impact on health delivery. The role of international health agencies will also be addressed.</p>	Fall	
<p>PUH 5315 Global Public Health Experience The Global Public Health Experience will take place outside the United States and involves participating in an underserved outreach experience of a public health capacity. The student will work under the supervision of a faculty member who identifies the appropriate educational objective for the experience. The student is expected to acquire skills and experience in the application of public health concepts from a vulnerable and/or an undeserved population context. A student deposit will be charged to the student's account at the time of registration to cover flights, lodging, and food. The final balance is due prior to departure and trip participation is required for course completion.</p>	Fall	

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<p>PUH 5420 Epidemiology of Diseases of Major Public Health Importance Introduces students to the principles and practice of infectious and chronic diseases that are of importance to public health. Uses a population-based approach to identify the major epidemiologic patterns of infectious disease affecting human populations by person, time, and place. Apply the principles of epidemiology to identify the extent of risk and to describe trends of chronic disease among population and its different subgroups. Prerequisites: PUH 5301, PUH 5430</p>	Summer	
<p>PUH 5431 Community Health Assessment Community Health Assessment (CHA) is a process of collecting, analyzing, and reviewing public health data to understand community health needs and facilitate planning of community health resources. CHA serves a core function for local health departments, hospitals, and organizations. In this course, students will learn to locate appropriate public health data sources, analyze public health data, and write a community health profiling report.</p>	Summer	
<p>PUH 5510 Maternal and Child Health Addresses public health issues pertaining to mothers and infants, children, and adolescents both in the United States and globally using a life course framework. Examines conditions that are more common or more severe among mothers and children, or that affect women differently than men. This course utilizes a socio-ecological approach to discuss both protective factors and risk factors related to identified health disparities.</p>	Summer	
<p>PUH 5990 Social Determinants of Mental Health Explores social determinants of mental health (SDMH) that contribute to the health and mental health disparities in the United States. It is well known that social and environmental factors affect physical health outcomes. The same is true for mental illness, substance use disorders, and the health outcomes that result.</p>	Summer	
<p>PUH 6008 Public Health Advocacy Addresses the contexts and skills of public health advocacy, in terms of legislative and issue advocacy. The contexts covered involve the legal, legislative, and organizational policy landscapes and the competition among groups to pursue interests within those landscapes. Students will develop skills in issue identification and definition, stakeholder analysis, developing advocacy strategies, and creating advocacy plans.</p>	Summer	

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<p>PUH 6016 Survey Methods in Public Health Addresses the theory and practice of designing and conducting surveys in public health research and practice. Students will understand how to build and facilitate their own measurement tool. By the end of this course, students will be able to properly create, distribute, and manage their own surveys. Prerequisites: PUH 5430, PUH 5301</p>	Summer	
<p>PUH 6017 Independent Study in Public Health The specific material and format will vary by semester and instructor. Learning objectives will vary by topic and instructor. Prerequisites: PUH 5301, PUH 5430.</p>		Fall, Winter, Summer
<p>PUH 6022 Community Health Project Designed to give the student the opportunity to work on a community project. The specific material and format will vary by semester and instructor.</p>		Fall, Winter, Summer
<p>PUH 6608 Public Health Research Students conduct supervised research in any of the major areas of public health. Prerequisites: PUH 6604</p>		Fall, Winter, Summer

Elective Courses from other Departments	Online	Hybrid (onsite or online)
<p>DEM 5050 Bioterrorism's and All-Hazards Preparedness This course will define the interprofessional interdisciplinary roles and responsibilities of professionals, paraprofessionals, and volunteers in all- hazards emergency planning, response, mitigation, and recovery. Students will gain insights into all-hazards preparedness within the health system, community, and state and local agencies.</p>	Fall, Winter	
<p>MI 6405 Public Health Informatics Public health informatics is the systematic application of information and computer science and technology to public health practice, research, and learning. This course focuses on developing the knowledge and skills of systemic application of information, computer science, and technology to public health practice. Students will acquire a basic understanding of informatics in public health practice and be able to use some informatics tools in public health practices.</p>	Summer	

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<p>NUT 5110 Foundations of Community Nutrition This course will provide students with the principles and practices needed to identify community nutrition issues and problems, as well as how to develop interprofessional nutrition strategies and programs to alleviate and/or reduce the problems and challenges and achieve positive health outcomes. It explores the role of public health nutrition in the 21st century from a local, national, and global perspective.</p>	<p>Fall</p>	
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Students can group their electives by the skills they would like to learn

Health Education

- PUH 5015 Public Health Leadership (Fall)
- PUH 5016 Health Promotion Program: Planning, Implementation and Evaluation (Winter)
- PUH 5115 Principles of Health Education (Winter)
- PUH 5210 Public Health Communication and Marketing (Fall)
- PUH 6008 Public Health Advocacy (Summer)

Special Populations

- PUH 5017 Contemporary Issues in Public Health (Summer)
- PUH 5110 Culture, Ethnicity, and Health (Summer)
- PUH 5111 Public Health Issues of the Elderly (Summer)
- PUH 5510 Maternal and Child Health (Summer)

Epidemiology

- PUH 5305 Advanced Biostatistics (Prerequisites: PUH 5301) (Summer)
- PUH 5420 Epidemiology of Diseases of Major Public Health Importance (Prerequisites: PUH 5301, PUH 5430) (Summer)
- PUH 6016 Survey Methods in Public Health (Prerequisite: PUH 5301; PUH 5430) (Summer)
- PUH 5431 Community Health Assessment (Summer)