

Dr. Kiran C. Patel College
of Osteopathic Medicine | **NSU**
NOVA SOUTHEASTERN UNIVERSITY | Florida
MPH Course Schedule Plan*
(2022-2023)

Core Courses (Required)		On-line	Hybrid (onsite or online)	Semester Hours	Course Directors
PUH 5220	<p style="text-align: center;">Environmental and Occupational Health</p> <p>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	3	S. Grant
PUH 5301	<p style="text-align: center;">Biostatistics</p> <p>This course 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	3	E. Biggs
PUH 5430	<p style="text-align: center;">Epidemiology</p> <p>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	3	J. Alamu

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PUH 5512	<p style="text-align: center;">Health Policy, Planning, and Management</p> <p>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	3	L. Hollar
PUH 5520	<p style="text-align: center;">Ethical Issues in Public Health</p> <p>This course introduces the important role ethics plays in determining the public's health.</p>	Fall, Winter	Winter	3	S. Pinnock
PUH 6001	<p style="text-align: center;">Social and Behavioral Sciences Applied to Health</p> <p>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	3	K. Van Heel
PUH 6002	<p style="text-align: center;">Applied Practice Experience</p> <p>The Applied Practice Experience is a unique opportunity for graduate students to integrate and apply practical knowledge and skills learned through coursework to a public practice setting. Students must complete at least 200 hours during the academic semester in which they are registered for the course. This must be documented in the form of a log. Students must complete their work, submit their documents, and</p>		Fall, Winter, Summer	3	C. Serna

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	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				
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, surveying, data collection, and management as well as the interpretation and reporting of findings are discussed. Prerequisites: PUH 5430, PUH 5301	Fall, Winter	Fall	3	M. Montoya
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 resource that will benefit a community and/or external	Fall, Winter, Summer		3	C. Navarro

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stakeholders. The student produces a high-quality written product, which includes a reflection on, and evidence of the competencies attained and presents the final ILE product in an open forum format. Prerequisites: PUH 5220, PUH 5301, PUH 5430, PUH 5512, PUH 5520, PUH 6001, PUH 6604				

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PUH 5004	Public Health Grant Writing Introduction to the skills of grant writing in public health. Each student will submit a grant as a culminating experience.	Summer		3	L. Hollar
PUH 5015	Public Health Leadership This course focuses on the concepts and dynamics of leadership in public health. It emphasizes the interactions and influence processes of leadership to effectively use problem solving mechanisms.		Summer	3	C. Serna
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.	Winter		3	C. Serna
PUH 5017	Contemporary Issues in Public Health This course introduces the basic principles of the practice of public health at the local, regional, national, and international levels. Uncovers relevant public health topics through a combination of presentations by experts, discussions, and lectures.	TBA		3	TBA
PUH 5110	Culture, Ethnicity, and Health Introduces students to skills and insights necessary in promoting health in diverse populations. Issues discussed include the need	Summer		3	K. Van Heel

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	for effective communication, with an understanding of cultural factors and how they impact on preventive efforts, health care status, access to health care, and use and cost of health care services. The course also explores traditional modalities of health maintenance among various populations.				
PUH 5111	Public Health Issues of the Elderly Examines important determinants of morbidity and mortality among the aged population. Emphasizes social, cultural, economic, behavioral, and physical characteristics of importance in the design and development of appropriate prevention efforts directed at the elderly.	Summer		3	S. Pinnock
PUH 5115	Principles of Health Education This course provides an overview of the fundamental concepts of health education, contemporary health education philosophy, and the process to become a certified health education specialist.	Summer		3	C. Serna
PUH 5201	Foundations of Public Health This course introduces the history, concepts, values, principles, and practice of public health. The course suggests the sense of purpose that unites the myriad occupations and tasks in public health practice and provides an orientation to each of the five traditional core disciplines		Fall	3	C. Serna

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	of public health practice.				
PUH 5210	<p style="text-align: center;">Public Health Communication and Marketing</p> <p>The course is designed to provide a framework for conducting health communication campaigns, including planning, implementation, and evaluation. It discusses public health communication for media relations/advocacy, social media /health marketing, cross-cultural/diverse audiences, risk /crisis/emergency, research/evaluation, and ethics/law. The course explores the latest public health communication tools, technologies, and strategies.</p>	Fall		3	C. Serna
PUH 5305	<p style="text-align: center;">Advanced Biostatistics</p> <p>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>	TBA		3	TBA
PUH 5311	<p style="text-align: center;">Public Health Genomics</p> <p>This course addresses the principles and practices of genetics and genomics, as well as the ethical, legal, and social issues of genetics and genomics in public health</p>		Winter	3	S. Grant

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	practice.				
PUH 5314	<p style="text-align: center;">Global Health</p> <p>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		3	C. Blavo
PUH 5420	<p style="text-align: center;">Epidemiology of Diseases of Major Public Health Importance</p> <p>In-depth study of the distribution and determinants of specific infectious, chronic, behavioral, and environmentally caused diseases of major public health importance. Prerequisites: PUH 5301, PUH 5430</p>	Summer		3	E. Biggs
PUH 5431	<p style="text-align: center;">Community Health Assessment</p> <p>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 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		3	J. Alamu

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PUH 5510	Maternal and Child Health This course addresses public health issues pertaining to mothers and children. It also addresses programs for prevention, both in the United States and globally.	Summer		3	S. Pinnock
PUH 5802	Epidemiologic Surveillance and Outbreak Investigation This course provides a descriptive analysis of basic components and strategies required for the surveillance and investigation of disease outbreaks. Surveillance data collection, analysis, and reporting are emphasized as well as indicators for assessing the effectiveness of such programs. Prerequisites: PUH 5430, PUH 5301	Summer		3	E. Biggs
PUH 6008	Public Health Advocacy The course is designed to provide students with the historical and legal background of legislative advocacy. Students will gain the practical skills necessary to succeed in the legislative advocacy field. The goals of this course are to understand how to effectively advocate on behalf of a cause, company, or nonprofit entity; review laws and regulations affecting lobbying and lobbyists; and comprehend the competitive landscape of public policy.	Summer		3	L. Hollar
PUH 6016	Survey Methods in Public Health This course addresses the theory and practice of designing	Summer		3	M. Montoya

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	and conducting surveys in public health research and practice. Topics will include survey designs, sampling strategies, data collection methods, interviewing skills, coding, and data analysis. Prerequisites: PUH 5430, PUH 5301				
PUH 6017	Independent Study in Public Health An independent study in public health is a course for academic credit that offers a qualified student an opportunity to work with a faculty member on an advanced topic of study in any public health discipline. Written approval from the instructor and program director is required. Prerequisites: PUH 5301, PUH 5430.		Fall, Winter, Summer	3	Any Public Health Faculty
PUH 6201	Tropical Diseases This course will address tropical diseases in the world today and their public health significance. Malaria, yellow fever, trypanosomiasis, leishmaniasis, filariasis, dengue fever, malnutrition, diarrheal diseases, and other tropical diseases will be discussed in relation to epidemiology, clinical presentation, and management. The impact of these diseases on global health and economic issues will be discussed.	Winter		3	C. Blavo

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DEM 5050	<p>Bioterrorism's and All-Hazards Preparedness</p> <p>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>	Winter		3	McCord. G
MI 6405	<p>Public Health Informatics</p> <p>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> <p>Prerequisites: PUH 5301, PUH 5430</p>	Fall		3	R. Jacobs
NUT 5110	<p>Foundations of Community Nutrition</p> <p>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</p>	Fall		3	M. Luis

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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.				

Students can group their electives by the skills they would like to learn

Health Promotion/Education

- PUH 5016 Health Promotion Program: Planning, Implementation and Evaluation
- PUH 5115 Principles of Health Education
- PUH 5210 Public Health Communication and Marketing
- PUH 5431 Community Health Assessment
- PUH 5110 Culture, Ethnicity, and Health

Epidemiology

- PUH 5305 Advanced Biostatistics (Prerequisites: PUH 5301)
- PUH 5420 Epidemiology of Diseases of Major Public Health Importance (Prerequisites: PUH 5301, PUH 5430)
- PUH 5802 Epidemiologic Surveillance and Outbreak Investigation (Prerequisites: PUH 5430, PUH 5301)
- PUH 6016 Survey Methods in Public Health (Prerequisite: PUH 5301; PUH 5430)

Public Health Policy & Management

- PUH 5004 Public Health Grant Writing
- PUH 5015 Public Health Leadership
- PUH 6008 Public Health Advocacy

Global Health

- PUH 5201 Foundations of Public Health
- PUH 5311 Public Health Genomics
- PUH 5314 Global Health
- PUH 6201 Tropical Diseases

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Community Health

PUH 5111 Public Health Issues of the Elderly

PUH 5510 Maternal and Child Health

PUH 5010 Contemporary Issues in Public Health

Interprofessional

DEM 5050 Bioterrorism's and All-Hazards Preparedness

MI 6405 Public Health Informatics

NUT 5110 Foundations of Community Nutrition