Public Health (MPH)

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# **PUBLIC HEALTH (MPH)**

NYSED: 34215 HEGIS: 1214.00 CIP. 26.0102

## **Program Description**

For those drawn to the field of public health, it can be much more like a calling than a job. The New York University School of Global Public Health offers committed students like you a world-class education, with domestic and global perspectives that emphasize health equity, ethics and social justice.

Fully accredited by the Council on Education for Public Health, our MPH program offers eight areas of concentration (https://publichealth.nyu.edu/master-public-health/concentrations/), dual-degree programs (https://publichealth.nyu.edu/master-public-health/dual-degrees/), and award-winning faculty (https://publichealth.nyu.edu/faculty/) conducting groundbreaking research (https://publichealth.nyu.edu/research-scholarship/). Learn more about how you can help discover innovative solutions to epidemics and reinvent the public health paradigm.

## **Concentrations**

The NYU Master of Public Health (https://publichealth.nyu.edu/master-public-health/) is proud to attract students with a wide variety of backgrounds, experiences, and career goals. No matter where your interests may lie, the NYU MPH offers eight specialized concentrations that will prepare you for fulfilling public health opportunities that are suited to your talents. While each concentration covers the core public health areas, each is designed to give you a deeper understanding of the unique themes and challenges to that area of study. All students enrolled in the program are admitted into one of the following eight concentrations:

#### **Biostatistics**

The Biostatistics concentration teaches you to apply statistical reasoning and methods to the analysis of public health, health care, and biomedical, clinical and population-based data.

You'll apply descriptive and inferential methodologies to answer research questions and harness the concepts of probability, random variation and commonly used statistical probability distributions. You'll learn to implement and interpret the appropriate analytic methods or methodological alternatives to calculate key measures of association in public health research studies.

### **Community Health Science and Practice**

The Community Health Science and Practice concentration within the Department of Social and Behavioral Sciences (https://publichealth.nyu.edu/department/social-and-behavioral-sciences/) prepares you to collaboratively develop, implement, and evaluate programs and policies that promote healthy communities and health equity.

You'll learn to assess health issues among diverse population groups in the US and globally to develop and implement population-based health programs that improve health and reduce inequities. Throughout your coursework, you'll apply a social ecological framework to population-based intervention strategies, as well as the assessment of social, cultural, economic, environmental and institutional factors that contribute to health among diverse populations.

#### **Environmental Public Health Sciences**

The Environmental Public Health Sciences concentration is housed within the department of global health and anticipates the global marketplace demand for expertise in both environmental health research and practice, focusing on developing skills in analyzing and managing complex issues through both research and applied practice.

As a student in the program, you'll develop a deep understanding of current global policy and practice, and the ability to advance sustainable, equitable, scalable solutions to environmental challenges. Your core and elective courses will encompass Systems Science, Applied Global Health, and Sustainability.

## **Epidemiology**

The Epidemiology concentration trains students to become public health professionals that possess the skills to critically analyze and understand how individual, social and structural factors shape population-level health and well-being.

Our foremost goal is to provide rigorous education and training in the conceptual and practical applications of epidemiological methods for the next generation of public health leaders. Students are also encouraged to work with faculty mentors, community-based organizations as well as local, state and federal public health agencies to make important connections as well as gain the skills required to become public health leaders.

#### **Global Health**

The goals of the Global Health Concentration are to provide students with the knowledge and skills needed to take on leadership roles in public health settings around the globe. The concentration trains you to engage with local and international organizations to design and implement effective global health programs. The program will also prepare you to become a leader in the field of public health by applying strategic principles of ethical reasoning and professional practice to advance health equity and social justice around the world.

#### **Public Health Nutrition**

The Public Health Nutrition concentration trains you to promote health and reduce the risk of chronic diseases and obesity through educational and environmental approaches to improved nutrition and physical activity. You'll be prepared to identify and assess diet-related health problems among diverse population groups around the world, identifying the social, cultural, economic, environmental, and institutional factors that contribute to the risk of undernutrition and over nutrition among populations.

### **Public Health Policy and Management**

The Department of Public Health Policy and Management offers two specializations:

- 1. Public Health Policy and
- 2. Public Health Management

The department aims to develop leaders who will influence policy and manage organizations to improve and protect the public's health. You will be prepared to develop, implement, and evaluate policies and management strategies in health care and public health. If you are interested in working with government agencies, nonprofits, or private health care organizations that seek to advance public health, these concentrations are suited to your career goals.

Like all MPH students, you will take the core public health courses in biostatistics, epidemiology, social and behavioral determinants of health, environmental health, and the essentials of public health biology. You will then select a concentration in either Public Health Management or Public Health Policy.

#### Social and Behavioral Sciences

The research-based Social and Behavioral Sciences track within the Department of Social and Behavioral Sciences (https://publichealth.nyu.edu/department/social-and-behavioral-sciences/) prepares you to critically assess and explain major theories, trends, and debates regarding the relationship between socially structured inequalities and health.

You'll address existing challenges to achieving health equity at the behavioral, community and societal levels, and apply methods, analytic tools, and ethical principles to design and improve public health research and evaluation.

## **Admissions**

All applications to MPH or MS programs at NYU GPH must be submitted through SOPHAS (https://sophas.org/), the common application for schools and programs of public health. You are required to select a single area of concentration when you apply, and we encourage you to research the different concentrations available to identify one which best aligns with your interests.

In general, the elements of a complete application include:

- · SOPHAS application form
- Official transcripts from each institution attended (or an evaluation of your credentials if you graduated from a foreign institution)
- · Three letters of recommendation
- Personal statement
- · Resume/CV
- English language proficiency exam results for all applicants whose native language is not English and who did not receive the equivalent of a US bachelor's degree at an institution where English is the primary language of instruction.

## **Dual Degrees**

Public health education crosses academic boundaries and integrates the best of what our many graduate and professional schools have to offer. GPH offers five dual degree programs (https://publichealth.nyu.edu/master-public-health/dual-degrees/) that embody these values by allowing students to complete two separate degrees concurrently, allowing you to get the advanced training you need to start your career as a leader in multiple fields.

- Medicine (MD/MPH) (https://publichealth.nyu.edu/master-publichealth/dual-degrees/medicine/)
- Dentistry (DDS/MPH) (https://publichealth.nyu.edu/master-publichealth/dual-degrees/dentistry/)
- Public Administration (MPA/MPH) (https://publichealth.nyu.edu/ programs/master-public-health/dual-degrees/dual-degree-publicadministration-mpamph/)
- Nursing (MS/MPH) (https://publichealth.nyu.edu/programs/master-public-health/dual-degrees/dual-degree-nursing-msmph/)

 Social Work (MSW/MPH) (https://publichealth.nyu.edu/programs/ master-public-health/dual-degrees/dual-degree-social-workmswmph/)

## **Dual Degree Admissions**

All dual degree applicants should note that in order to be successfully admitted to a dual degree program, a student <u>must be admitted to both programs</u> separately. Dual degree applicants should note the instructions to apply to the MPH program but also ensure they apply to the partner school program as appropriate:

- Applicants to the MSW/MPH must apply to GPH and the NYU Silver School of Social Work.
- Applicants to the MPA/MPH must apply to GPH and the NYU Wagner Graduate School of Public Service
- Applicants to the MS/MPH must apply to GPH <u>and</u> the NYU Rory Myers College of Nursing
- Applicants to the MD/MPH must apply to GPH and the NYU Grossman School of Medicine
- Applicants to the DDS/MPH must apply to GPH and the NYU College of Dentistry.

A dual degree applicant who is admitted to GPH but who does not apply to the other school will not be permitted to matriculate into a dual degree program.

## **Program Requirements**

See below for program requirements specific to each concentration.

## **Biostatistics**

Course	Title	Credits	
<b>Core Courses</b>			
GPH-GU 2030	Introduction to Global Health	2	
GPH-GU 2106	Epidemiology	3	
GPH-GU 2110	Health Care Policy	2	
GPH-GU 2112	Public Health Management and Leadership	2	
GPH-GU 2140	Global Issues in Social & Behavioral Health	3	
GPH-GU 2153	Global Environmental Health	3	
GPH-GU 2995	Biostatistics for Public Health	3	
GPH-GU 5170	Introduction to Public Health	0	
GPH-GU 5171	Global Public Health Informatics	0	
<b>Concentration Co</b>	urses		
GPH-GU 2353	Regression I: Linear Regression and Modeling	3	
GPH-GU 2354	Regression II: Categorical Data Analysis	3	
Selective Courses	3		
Select one course from each of the following sets of courses below.  Please note that the other course may be taken as an elective.			
Select one of the	following:	3	
GPH-GU 2286	Introduction to Data Management and Statistica Computing	I	
GPH-GU 2182	Statistical Programming in R		
Select one of the	following:	3	
GPH-GU 2225	Psychometric Measurement and Analysis in Pub Health Research and Practice	olic	

	GPH-GU 2387	Survey Design, Analysis, and Reporting	
Se	lect one of the f		3
JC		Longitudinal Analysis of Public Health Data	J
		Applied Survival Analysis	
Fle	ectives	Applied Gal Vival / Mary 515	
	oup A: Methods		
	•	ts from the following:	3
	GPH-GU	Advanced Agent-Based Modeling	
	3152/5152	, ia ianoca rigent bacca moacung	
	GPH-GU 2355	Analysis of Epidemiologic Data Using SAS	
	CUSP-GX 6002		
	GPH-GU 2235	Biostatistical Consulting	
	GPH-GU 2336	Critical Reading of the Biostatistical Literature	
	CUSP-GX 6004		
	APSTA-	Data Science for Social Impact	
	GE 2331		
	GPH-GU 2380	Data-Driven Decision Making in Global Public	
	CDIT CIT 3030	Health  Fridamiels rise! Methods and Design	
	GPH-GU 2930	Epidemiological Methods and Design	
		Geographic Information Systems and Analysis	
		Health Care Management Science	
	GPH-GU 2126		
	GPH-GU 2324	Infectious Disease Epidemiology	
	GPH-GU 2450	Intermediate Epidemiology	
	GPH-GU 2184	Intermediate Statistical Programming in R	
	GPH-GU 2152	Introduction to Agent-Based Modeling	
	GPH-GU 2286	Introduction to Data Management and Statistical Computing	
	GPH-GU 2183	Introduction to Statistical Programming in R	
	APSTA- GE 2110	Large Databases in Applied Research	
	GPH-GU 2274	Outbreak Epidemiology: Re-emerging and Emerging Infectious Diseases	
	DS-GA 1007	Programming for Data Science	
	GPH-GU 2160	Qualitative & Field Methods	
	GPH-GU 2361	Research Methods in Public Health	
	GPH-GU 2022	SAS for Beginners: Data Management and Exploration	
	ECE-GY 9343	SEL TOP. TELECOM NETWORK	
	GPH-GU 2105	Thinking Critically and Ethically in Public Health	
	BI-GY 7633	Transcriptomics	
Gr	oup B: Statistics		
	•	from the following:	6
	GPH-GU	Advanced Agent-Based Modeling	
	3152/5152		
	PHDSW- GS 3070	2	
	GPH-GU 2372	Applied Bayesian Analysis in Public Health	
	GPH-GU 2368	Applied Survival Analysis	
	APSTA- GE 2015	Applied Spatial Statistics	
	GPH-GU 2363	Causal Inference: Design and Analysis	
	APSTA-	Causal Inference <sup>3</sup>	
	GE 2012		

To	tal Credits		46
GF	PH-GU 2687	Thesis II: Practice and Integrative Learning Experiences	2
GF	PH-GU 2686	Thesis I: Practice and Integrative Learning Experiences	2
Th	esis <sup>5</sup>		
	BI-GY 7663	Problem Solving For Bioinformatics	
	DS-GA 1015	Text as Data	
	GPH-GU 2387	Survey Design, Analysis, and Reporting	
	PHDSW- GS 3069	Structural Equation Modeling	
	GPH-GU 3225	Statistical Inference	
	APSTA- GE 2014	Stats Analysis of Networks	
	GPH-GU 2512	Special Topics: Applied Spatial Statistics for Public Health	
	DS-GA 1018	Probabilistic Time Series Analysis	
	GPH-GU 2225	Psychometric Measurement and Analysis in Public Health Research and Practice	
	DS-GA 1011	Natural Language Processing with Representation Learning	
	APSTA- GE 2094	Modern Approaches in Measurement	
	APSTA- GE 2013	Missing Data	
	GPH-GU 2338	Machine Learning in Public Health	
	DS-GA 1003	Machine Learning <sup>4</sup>	
	GPH-GU 2480	Longitudinal Analysis of Public Health Data	
	GPH-GU 2126	Healthcare Claims Data Analysis	
	ECE-GY 7123	DEEP LEARNING (same course as CS-GY 6953)	
	CS-GY 6953	DEEP LEARNING (same course as ECE-GY 7123)	

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Please note that students who choose this option will take one less elective credit.

2

Pre-req: PHDSW-GS 3069 Structural Equation Modeling

3

Pre-req or co-req: GPH-GU 2354 Regression II: Categorical Data Analysis

4

 ${\it Must take GPH-GU~2338~Machine~Learning~in~Public~Health~first.}$ 

5

The culminating experience for students in the Biostatistics concentration consists of a minimum of 180 hours of a practice experience completed prior to Thesis I, and a two-semester MPH thesis.

# **Community Health Science and Practice**

Course	Title	Credits
Core Courses		
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 2106	Epidemiology	3
GPH-GU 2110	Health Care Policy	2

Total Credits		46
GPH-GU 2360	Integrative Learning Experience Seminar	2
GPH-GU 2359	Applied Practice Experience Seminar	2
Applied Practice 2	2	
Select 9 public he	alth elective credits <sup>1</sup>	9
Electives		
GPH-GU 2270	Translating Research to Practice: Adapting and Implementing Evidence-Based Public	3
GPH-GU 2415	Community-Based Health Interventions	3
GPH-GU 2361	Research Methods in Public Health	3
GPH-GU 2349	Program Planning and Evaluation	3
GPH-GU 2218	Assessing Community Health Needs	3
Concentration Co	urses	
GPH-GU 5171	Global Public Health Informatics	0
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 2153	Global Environmental Health	3
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2112	Public Health Management and Leadership	2

Students may choose any GPH-GU course. Please note that some electives have prerequisites and some are restricted to other MPH concentrations during the first two weeks of the registration period.

2

Students in the Community Health Science and Practice concentration complete a minimum of 180 hours of a public health internship, which serves as the culminating experience of the MPH degree.

## **Environmental Public Health**

**Note:** Online students take the 5000-level version of the degree requirements listed.

Course Core Courses	Title	Credits
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 2106	Epidemiology	3
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2153	Global Environmental Health	3
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 5171	Global Public Health Informatics	0
<b>Concentration Co</b>	urses	
GPH-GU 2220	Applying Systems Thinking to Global Health Practice	3
GPH-GU 2265	Climate Change and Global Public Health	3
GPH-GU 5210	Global Health Disaster Preparedness & Respons	se 3
GPH-GU 2280	Environmental Health Assessments and Interventions	3
Electives		
Select 12 elective	credits from the following:	12
CE-GY 7523	AIR POLLUTION	

ENYC-GE 2005	Cities and Their Environments	
CE-GY 7913	Climate Science: Realities & Risks of a Changing Climate	
GPH-GU 3260	Complex Systems, Disasters, and the Social Ecology of Health	
PADM- GP 4414	Corporate Philanthropy and Engagement	
GPH-GU 2242	Crisis and Emergency Risk Communication	
GPH-GU 2232	Detection and Control of Waterborne Pathogens	
GPH-GU 2440	Emerging Diseases and Bioterrorism	
EHSC-GA 2309	Environmental Carcinogenesis	
GLOB1- GC 2405	Energy, Environment, and Resource Security	
ENYC-GE 2022	Environmental Education: Theory & Practice	
ENYC-GE 2018	Environmental Justice through Digital Empowerment	
URPL-GP 2625	Environmental Infrastructure for Sustainable Cities	
CE-GY 7673	Environmental Impact Assessment	
GPH-GU 2211	Environmental Justice and Global Health	
ENYC-GE 2021	Environmental Politics	
CE-GY 7753	ENVIRONMENTAL SYSTEMS MANAGEMENT	
ENYC-GE 2019	Fundamentals of Environmental Thought	
URPL-GP 2618	Geographic Information Systems and Analysis	
GLOB1- GC 2518	Geographic Information Systems for Global Affairs	
EHSC-GA 1010	Global Climate Change, Air Pollution, and Health	
GPH-GU 2342	Global Issues in Public Health Nutrition	
GPH-GU 2319	Grant Writing to Fund Public Health Research	
GLOB1- GC 2130	The Integration of Profit & Purpose: Corporate Social Responsibility, Sustainability	
CE-GY 6053	MONITORING CITIES	
EHSC-GA 2035	Principles of Environmental Measurements	
GPH-GU 2160	Qualitative & Field Methods	
GPH-GU 2361	Research Methods in Public Health	
CE-GY 7703	Solid Waste Management	
CE-GY 7653	WETLAND DESIGN FOR WATER QUALITY IMPROVEMENT	
Applied Practice E	Experience <sup>2</sup>	
PH-GU 2359	Applied Practice Experience Seminar	2
SPH-GU 2360	Integrative Learning Experience Seminar <sup>3</sup>	2
otal Credits		46

1

The qualifying practice experience may be related to students' current employment. Supervised field experience provides an opportunity to apply public health skills in community health settings. Locations may include government agencies, hospitals, professional associations, voluntary health agencies, businesses, industries, and international agencies. Placement selection may focus on special topics such as infectious or chronic disease prevention, substance abuse, family planning, and food, environment, and health systems.

2

Students in the Environmental Public Health concentration are required to complete 180 hours of supervised, relevant public health practice in the form of an internship. In addition, students are required to complete the two courses listed as part of the applied practice experience.

3

GPH-GU 2360 Integrative Learning Experience Seminar is designed to ensure that students have acquired all of the competencies promised by the program. Evidence of mastery can take the form of exercises, exams, papers, and reports.

# **Epidemiology**

Course	Title Cre	edits
<b>Core Courses</b>		
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 2106	Epidemiology	3
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2153	Global Environmental Health	3
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 5171	Global Public Health Informatics	0
Concentration Co	urses	
GPH-GU 2450	Intermediate Epidemiology	3
GPH-GU 2930	Epidemiological Methods and Design	3
GPH-GU 2353	Regression I: Linear Regression and Modeling	3
GPH-GU 2354	Regression II: Categorical Data Analysis	3
GPH-GU 2225	Psychometric Measurement and Analysis in Public	3
	Health Research and Practice	
Electives		
Select 9 elective	credits from across any of the following areas:	9
Agent-Based Mode	eling	
GPH-GU 2152	Introduction to Agent-Based Modeling	
GPH-GU 3152	Advanced Agent-Based Modeling	
Biostatistical Meth	nods	
GPH-GU 2372	Applied Bayesian Analysis in Public Health	
GPH-GU 2368	Applied Survival Analysis	
GPH-GU 2363	Causal Inference: Design and Analysis	
GPH-GU 2286	Introduction to Data Management and Statistical Computing	
GPH-GU 2480	Longitudinal Analysis of Public Health Data	
GPH-GU 2338	Machine Learning in Public Health	
GPH-GU 2022	SAS for Beginners: Data Management and Exploration	
GPH-GU 2512	Special Topics: Applied Spatial Statistics for Public Health	
GPH-GU 2182	Statistical Programming in R	
GPH-GU 2387	Survey Design, Analysis, and Reporting	
Chronic Disease E	pidemiology	

GPH-GU 2278/9278	Global Cancer Epidemiology	
GPH-GU 2230	Global Non-Communicable Disease Prev & Control	
Emergency Prepar	redness	
GPH-GU 3260	Complex Systems, Disasters, and the Social Ecology of Health	
GPH-GU 5150	Emergency Preparedness for Healthcare Organizations	
GPH-GU 5210	Global Health Disaster Preparedness & Response	
GPH-GU 9345	Public Health Emergency Preparedness and Response: A Global Perspective	
GPH-GU 5270	Management of Public Health Disasters	
Environmental Hea	alth	
GPH-GU 2232	Detection and Control of Waterborne Pathogens	
Epidemiological M	lethods & Application	
GPH-GU 2361	Research Methods in Public Health	
GPH-GU 2374	Advanced Epidemiological Methods I: Evaluation of Epidemiological Studies	
GPH-GU 3275	Advanced Epidemiological Methods II: Practical Applications in Epidemiology	
GPH-GU 2317	Social Epidemiology	
Global Health		
GPH-GU 2325	Behavioral Communication Strategies for Global Epidemics	
GPH-GU 2347	Tackling Global Health Disparities through Implementation Science Research	
Infectious Disease	Epidemiology	
GPH-GU 2440	Emerging Diseases and Bioterrorism	
GPH-GU 5120	HIV/AIDS from a Global Perspective	
GPH-GU 2343	HIV/AIDS Public Health Promotion	
GPH-GU 2324	Infectious Disease Epidemiology	
GPH-GU 2274	Outbreak Epidemiology: Re-emerging and Emerging Infectious Diseases	
Mental Health		
GPH-GU 2227	Psychiatric Epidemiology	
GPH-GU 2132	Stress and Health in Communities	
GPH-GU 2255	Substance Use and Public Health	
Nutritional Epidem	niology	
GPH-GU 2342	Global Issues in Public Health Nutrition	
GPH-GU 2344	Maternal and Child Nutrition in Public Health	
GPH-GU 2275	Nutrition Epidemiology for Public Health	
Special Topics		
GPH-GU 2319	Grant Writing to Fund Public Health Research	
GPH-GU 2126	Healthcare Claims Data Analysis	
GPH-GU 2160	Qualitative & Field Methods	
GPH-GU 1165	Research Ethics	
Culminating Expe	rience '	
GPH-GU 2686	Thesis I: Practice and Integrative Learning Experiences	2
GPH-GU 2687	Thesis II: Practice and Integrative Learning Experiences	2
Total Credits		46

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Students in the Epidemiology concentration complete an internship and a thesis as part of their culminating MPH experience. The internship is a minimum of 180 hours of practice experience completed prior to enrolling in the Thesis I course. The thesis is completed over two semesters and students register for the two listed courses during their second year.

## **Global Health**

Course	Title	Credits
<b>Core Courses</b>		
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 2106	Epidemiology	3
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2153	Global Environmental Health	3
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 5171	Global Public Health Informatics	0
<b>Concentration Co</b>	urses	
GPH-GU 2136	Fundamentals of Global Health and Developmen	nt 3
GPH-GU 2220	Applying Systems Thinking to Global Health Practice	3
GPH-GU 2380	Data-Driven Decision Making in Global Public Health	3
<b>Elective Courses</b>		
Select 15 public h	nealth elective credits from the following:	15
GPH-GU 2154	Adolescent Health and Development	
GPH-GU 1230	Advanced Introduction to Public Health Ethics	
GPH-GU 2218	Assessing Community Health Needs	
or GPH- GU 5218	Assessing Community Health Needs & Resource	es
GPH-GU 9325	Behavioral and Communication Strategies for Global Epidemics	
GPH-GU 2265	Climate Change and Global Public Health	
GPH-GU 2415	Community-Based Health Interventions	
or GPH- GU 5415	Community-Based Health Interventions	
HPAM- GP 2852	Comparative Health Systems	
GPH-GU 3260	Complex Systems, Disasters, and the Social Ecology of Health	
PADM- GP 4101	Conflict Management and Negotiation	
GPH-GU 2242	Crisis and Emergency Risk Communication	
GPH-GU 5320	Data Utilization in Public Health Practice	
PADM- GP 4119	Data Visualization and Storytelling	
PADM- GP 2204	Development Assistance Accountability and Effectiveness	
GPH-GU 9232	Disease Elimination and Eradication Strategies Infectious Diseases in LMICs	for

or GPH- GU 5232	Disease Elimination and Eradication Strategies for Infectious Diseases in LMICs
GPH-GU 2135	Dissemination and Implementation Science in Health Care and Public Health
GPH-GU 5150	Emergency Preparedness for Healthcare Organizations
GPH-GU 2440	Emerging Diseases and Bioterrorism
GPH-GU 2280	Environmental Health Assessments and Interventions
PADM- GP 2171	Evaluating Programs and Policies
GPH-GU 2217	Food Policy for Public Health
GPH-GU 5210	Global Health Disaster Preparedness & Response
GPH-GU 2342 or GPH- GU 5342	Global Issues in Public Health Nutrition Global Issues in Public Health Nutrition
GPH-GU 2230	Global Non-Communicable Disease Prev & Control
GPH-GU 5312	Global Perspectives in Reproductive Health & Human Rights
GPH-GU 2285	Global Women's Health Programs - Analyzing/ Evidence to Improve Women's Lives
or GPH- GU 9285	Global Women's Health Programs: Analyzing Evidence to Improve Women's Lives
GPH-GU 2319	Grant Writing to Fund Public Health Research
GPH-GU 2250	Health and Human Rights
GPH-GU 2405	Health Communications: Changing Social Norms in Theory and Practice
or GPH- GU 5405	Health Communications: Changing Social Norms in Theory and Practice
GPH-GU 2282	
HPAM- GP 4830	Health Economics: Principles
GPH-GU 2324	
PADM- GP 2211	International Program Development and Management
GPH-GU 2145	Introduction to Public Health Systems: Management and Policy Issues
GPH-GU 2115	Introduction to Principles of Nutrition in Public Health
or GPH- GU 5115	Introduction to Principles of Nutrition in Public Health
GPH-GU 2224	Introduction to Urban Health and Equity
or GPH- GU 9224	Introduction to Urban Health and Equity
GPH-GU 1210	Justice in Health & Healthcare
GPH-GU 2357	LGBTQ Health Disparities
GPH-GU 5270	Management of Public Health Disasters
GPH-GU 2344	Maternal and Child Nutrition in Public Health
GPH-GU 5420	Monitoring and Management of Public Health Programs for Equity
PADM- GP 2430	Multi-Sector Partnerships: A comparative Perspective
GPH-GU 2275 or GPH- GU 5275	Nutrition Epidemiology for Public Health Nutrition Epidemiology for Public Health

Credits

GPH-GU 5288	Perspectives in Migrant Health & Human Rights	
GPH-GU 2349	Program Planning and Evaluation	
or GPH- GU 5349	Program Planning & Evaluation	
PADM- GP 4110	Project Management	
GPH-GU 2326	Public Health Communication for Impact	
GPH-GU 2296	Public Health Innovation and Entrepreneurship	
GPH-GU 2213	Public Health Nutrition	
or GPH- GU 5213	Public Health Nutrition	
GPH-GU 2160	Qualitative & Field Methods	
GPH-GU 2361	Research Methods in Public Health	
or GPH- GU 5361	Research Methods in Public Health	
GPH-GU 5410	Results-Focused Strengthening of Health Systems in LMIC Countries	
GPH-GU 2317	Social Epidemiology	
GPH-GU 2255	Substance Use and Public Health	
GPH-GU 2347	Tackling Global Health Disparities through Implementation Science Research	
GPH-GU 2270	Translating Research to Practice: Adapting and Implementing Evidence-Based Public	
or GPH- GU 5271	Translating Research into Practice: Adapting and Implementing Evidence-Based Public	
<b>Culminating Expe</b>	rience <sup>1</sup>	
GPH-GU 2359	Applied Practice Experience Seminar	2
GPH-GU 2360	Integrative Learning Experience Seminar	2
Total Credits		46

Students in the Global Health concentration are required to complete 180 hours of supervised, relevant public health practice in the form of an internship. The qualifying practice experience may be related to students' current employment.

## **Public Health Nutrition**

**Note:** Online students take the 5000-level version of the degree requirements listed.

Course	Title	Credits
Core Courses		
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 2106	Epidemiology	3
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2153	Global Environmental Health	3
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 5171	Global Public Health Informatics	0
Concentration Co	ourses	
GPH-GU 2213	Public Health Nutrition	3
GPH-GU 2115	Introduction to Principles of Nutrition in Public Health <sup>1</sup>	3

Total Credits		46		
GPH-GU 2360	Integrative Learning Experience Seminar	2		
GPH-GU 2359	Applied Practice Experience Seminar	2		
<b>Culminating Expe</b>	rience <sup>3</sup>			
	f public health electives <sup>2</sup>	6		
Public Health Electives				
GPH-GU 2361	Research Methods in Public Health	3		
GPH-GU 2218	Assessing Community Health Needs	3		
GPH-GU 2275	Nutrition Epidemiology for Public Health	3		
GPH-GU 2342	Global Issues in Public Health Nutrition	3		

1

By permission, students who have nutrition/dietetics degree may waive this course and select an advanced elective of their choice instead.

2

Students may choose any GPH-GU course. Please note that some electives have prerequisites and some are restricted to other MPH concentrations during the first two weeks of the registration period.

3

Course

Students in the Public Health Nutrition concentration complete a minimum of 180 hours of a public health internship, which serves as the culminating experience of the MPH degree.

# **Public Health Policy and Management**

Title

Select 9 public health elective credits 1

Core Courses		
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 2106	Epidemiology	3
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2153	Global Environmental Health	3
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 5171	Global Public Health Informatics	0
<b>Specialization Co</b>	urses	
Select one of the	following specializations:	15
Public Health Man	agement	
GPH-GU 2294	Designing and Managing Organizations in Public Health	
GPH-GU 2276	Public Health Financial Management	
GPH-GU 2282	Health Economics	
GPH-GU 2292	Public Health Law	
GPH-GU 2248	Teams and Strategy in Public Health Management	;
Public Health Polic	cy	
GPH-GU 2294	Designing and Managing Organizations in Public Health	
GPH-GU 2282	Health Economics	
GPH-GU 2155	Public Health Policy	
GPH-GU 2349	Program Planning and Evaluation	
GPH-GU 2292	Public Health Law	
Electives		

#### Culminating Experience 2

<b>Total Credits</b>		46
GPH-GU 2360	Integrative Learning Experience Seminar	2
GPH-GU 2359	Applied Practice Experience Seminar	2

TOTAL CIE

1

Students may choose any GPH-GU course. Please note that some electives have prerequisites and some are restricted to other MPH concentrations during the first two weeks of the registration period.

2

Students in the Public Health Policy and Management concentrations complete an internship, inclusive of a seminar course and 180 hours of public health practice experience, and serves as the culminating experience of the MPH degree.

## **Social and Behavioral Sciences**

Course	Title	Credits
<b>Core Courses</b>		
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 2106	Epidemiology	3
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2153	Global Environmental Health	3
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 5171	Global Public Health Informatics	0
Concentration Co	urses	
GPH-GU 2160	Qualitative & Field Methods	3
GPH-GU 2361	Research Methods in Public Health	3
GPH-GU 2353	Regression I: Linear Regression and Modeling	3
GPH-GU 2354	Regression II: Categorical Data Analysis	3
GPH-GU 2960	Theories in Public Health, Practice, Policy & Research	3
Electives		
Select 9 public he	ealth elective credits <sup>1</sup>	9
<b>Culminating Expe</b>	rience <sup>1</sup>	
GPH-GU 2686	Thesis I: Practice and Integrative Learning Experiences	2
GPH-GU 2687	Thesis II: Practice and Integrative Learning Experiences	2

1

**Total Credits** 

Students may choose any GPH-GU course. Please note that some electives have prerequisites and some are restricted to other MPH concentrations during the first two weeks of the registration period.

2

The culminating experience for students in the Social and Behavioral Sciences concentration consists of a minimum of 180 hours of a practice experience completed prior to Thesis I, and a two-semester MPH thesis.

# **Sample Plan of Study**

See below for full- and part-time sample plans specific to each concentration. Part-time sequences below are suggested sequences and

may be revised. Part-time students are encouraged to meet with their program advisors to map out their plan of courses.

## **Biostatistics**

#### **Full-Time**

Course	Title	Credits
1st Semester/Term	Title	Orealts
GPH-GU 2106	Epidemiology	3
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2286	Introduction to Data Management and Statistical	3
or GPH-GU 2182	Computing or Statistical Programming in R	Ü
GPH-GU 5171	Global Public Health Informatics	0
GPH-GU 5170	Introduction to Public Health	0
	Credits	12
2nd Semester/Term		
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 2353	Regression I: Linear Regression and Modeling	3
GPH-GU 2153	Global Environmental Health	3
	Credits	12
3rd Semester/Term		
Fieldwork hours for appli	ed practice requirement	
	Credits	0
4th Semester/Term		
GPH-GU 2686	Thesis I: Practice and Integrative Learning Experiences	2
GPH-GU 2354	Regression II: Categorical Data Analysis	3
GPH-GU 2387	Survey Design, Analysis, and Reporting	3
Group A Elective <sup>1</sup>		3
	Credits	11
5th Semester/Term		
GPH-GU 2687	Thesis II: Practice and Integrative Learning	2
	Experiences	
GPH-GU 2480	Longitudinal Analysis of Public Health Data	3
Group B Elective 1		3
Group B Elective 1		3
	Credits	11
	Total Credits	46

1

46

Group B electives may be 2 or 3 credits, depending on the course; students should have a total of 6 Group B elective credits.

#### **Part-Time**

Course	Title	Credits
1st Semester/Term		
GPH-GU 2106	Epidemiology	3
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 5171	Global Public Health Informatics	0
GPH-GU 5170	Introduction to Public Health	0
	Credits	6
2nd Semester/Term		
GPH-GU 2153	Global Environmental Health	3
GPH-GU 2353	Regression I: Linear Regression and Modeling	3
	Credits	6
3rd Semester/Term		
GPH-GU 2286 or GPH-GU 2182	Introduction to Data Management and Statistical Computing or Statistical Programming in R	3

Group B Elective 1		3
	Experiences	
9th Semester/Term GPH-GU 2687	Thesis II: Practice and Integrative Learning	2
	Credits	5
Group A Elective <sup>1</sup>		3
8th Semester/Term GPH-GU 2686	Thesis I: Practice and Integrative Learning Experiences	2
	Credits	0
Fieldwork hours for appl	ied practice requirement	
7th Semester/Term		
	Credits	6
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 2110	Health Care Policy	2
6th Semester/Term	Credits	6
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
0011 011 01 40	Public Health Research and Practice	•
or GPH-GU 2225	or Psychometric Measurement and Analysis in	
GPH-GU 2387	Survey Design, Analysis, and Reporting	3
5th Semester/Term		
	Credits	6
Group A Elective	o. Applica Cal Mai Mai yolo	3
GPH-GU 2480 or GPH-GU 2368	Longitudinal Analysis of Public Health Data or Applied Survival Analysis	3
4th Semester/Term		
	Credits	6

# **Community Health Science and Practice** Full-Time

Note: Online students take the 5000-level version of the courses below.

Course	Title	Credits
1st Semester/Term		
GPH-GU 2106	Epidemiology	3
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 5171	Global Public Health Informatics	0
	Credits	12
2nd Semester/Term		
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 2361	Research Methods in Public Health	3
GPH-GU 2415	Community-Based Health Interventions	3
GPH Elective		3
	Credits	12
3rd Semester/Term		
Fieldwork hours for Applie	ed Practice requirement	
	Credits	0
4th Semester/Term		
GPH-GU 2359	Applied Practice Experience Seminar	2
GPH-GU 2218	Assessing Community Health Needs	3
GPH-GU 2349	Program Planning and Evaluation	3
GPH Elective		3
	Credits	11

	Total Credits	46
	Credits	11
GPH Elective		3
GPH-GU 2153	Global Environmental Health	3
GPH-GU 2270	Translating Research to Practice: Adapting and Implementing Evidence-Based Public	3
GPH-GU 2360	Integrative Learning Experience Seminar	2
5th Semester/Term		

### **Part-Time**

**Note:** There is flexibility in the timing of electives but prerequisites for all courses need to be considered if a different sequence is followed.

Course	Title	Credits
1st Semester/Term		
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2106	Epidemiology	3
GPH-GU 5171	Global Public Health Informatics	0
GPH-GU 5170	Introduction to Public Health	0
	Credits	6
2nd Semester/Term		
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 2030	Introduction to Global Health	2
	Credits	6
3rd Semester/Term		
GPH-GU 2153	Global Environmental Health	3
GPH-GU 2995	Biostatistics for Public Health	3
	Credits	6
4th Semester/Term		
GPH-GU 2361	Research Methods in Public Health	3
GPH-GU 2415	Community-Based Health Interventions	3
	Credits	6
5th Semester/Term		
GPH-GU 2218	Assessing Community Health Needs	3
GPH-GU 2349	Program Planning and Evaluation	3
	Credits	6
6th Semester/Term		
GPH-GU 2270	Translating Research to Practice: Adapting and	3
	Implementing Evidence-Based Public	
Elective		3
	Credits	6
7th Semester/Term		
Fieldwork hours for applie	ed practice requirement	
	Credits	0
8th Semester/Term		
GPH-GU 2359	Applied Practice Experience Seminar	2
Elective		3
	Credits	5
9th Semester/Term		
GPH-GU 2360	Integrative Learning Experience Seminar	2
Elective		3
	Credits	5
	Total Credits	46
	iotai oleulta	40

# **Environmental Public Health** Full-Time

Course	Title	Credits
1st Semester/Term		
GPH-GU 2106	Epidemiology	3
GPH-GU 2153	Global Environmental Health	3

GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 5171	Global Public Health Informatics	0
GPH-GU 5170	Introduction to Public Health	0
	Credits	11
2nd Semester/Term		
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 2280	Environmental Health Assessments and Interventions	3
GPH-GU 5210	Global Health Disaster Preparedness & Response	3
GPH-GU 2120	Foundations of Global Health	3
	Credits	12
3rd Semester/Term		

Fieldwork hours for applied practice requirement

	Credits	0
4th Semester/Term		
GPH-GU 2359	Applied Practice Experience Seminar	2
GPH-GU 2265	Climate Change and Global Public Health	3
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
Elective		3
	Credits	12
5th Semester/Term		
GPH-GU 2360	Integrative Learning Experience Seminar	2
Elective		3
Elective		3
Elective		3
	Credits	11
	Total Credits	46

### **Part-Time**

Course	Title	Credits
1st Semester/Term		
GPH-GU 2106	Epidemiology	3
GPH-GU 2153	Global Environmental Health	3
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 5171	Global Public Health Informatics	0
	Credits	6
2nd Semester/Term		
GPH-GU 2280	Environmental Health Assessments and Interventions	3
GPH-GU 2995	Biostatistics for Public Health	3
	Credits	6
3rd Semester/Term		
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2265	Climate Change and Global Public Health	3
	Credits	6
4th Semester/Term		
GPH-GU 2120	Foundations of Global Health	3
Elective		3
	Credits	6
5th Semester/Term		
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
	Credits	6
6th Semester/Term		
GPH-GU 5210	Global Health Disaster Preparedness & Response	3
Elective		3
	Credits	6
7th Semester/Term		
Fieldwork house for the	applied practice requirement.	
	Credits	0

#### 8th Semester/Term

GPH-GU 2359	Applied Practice Experience Seminar	2
Elective		3
	Credits	5
9th Semester/Term		
GPH-GU 2360	Integrative Learning Experience Seminar	2
Elective		3
	Credits	5
	Total Credits	46

# **Epidemiology**

### **Full-Time**

ruii-i iiile		
Course	Title	Credits
1st Semester/Term		
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 2106	Epidemiology	3
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 5171	Global Public Health Informatics	0
	Credits	11
2nd Semester/Term		
GPH-GU 2353	Regression I: Linear Regression and Modeling	3
GPH-GU 2450	Intermediate Epidemiology	3
GPH-GU 2153	Global Environmental Health	3
Elective		3
	Credits	12
3rd Semester/Term		
Fieldwork hours for t	he applied practice requirement	
	Credits	0
4th Semester/Term		
GPH-GU 2686	Thesis I: Practice and Integrative Learning Experiences	2
GPH-GU 2930	Epidemiological Methods and Design	3
GPH-GU 2354	Regression II: Categorical Data Analysis	3
Elective		3
	Credits	11
5th Semester/Term		
GPH-GU 2687	Thesis II: Practice and Integrative Learning	2

### **Part-Time**

GPH-GU 2225

GPH-GU 2110

GPH-GU 2112

Elective

The following is a sample part-time 4-year sequence. Students should work with their advisor on mapping out a sequence if they plan on doing the program over the course of 3 years or 5-6 years.

Psychometric Measurement and Analysis in Public

Public Health Management and Leadership

2

2 3

12

Health Research and Practice

Health Care Policy

Credits

**Total Credits** 

Course	Title	Credits
1st Semester/Term		
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 2106	Epidemiology	3
GPH-GU 5171	Global Public Health Informatics	0
GPH-GU 5170	Introduction to Public Health	0
	Credits	6
2nd Semester/Term		
GPH-GU 2353	Regression I: Linear Regression and Modeling	3

GPH-GU 2450	Intermediate Epidemiology	3
	Credits	6
3rd Semester/Term		
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2354	Regression II: Categorical Data Analysis	3
	Credits	6
4th Semester/Term		
GPH-GU 2225	Psychometric Measurement and Analysis in Public Health Research and Practice	3
Elective		3
	Credits	6
5th Semester/Term		
GPH-GU 2930	Epidemiological Methods and Design	3
GPH-GU 2153	Global Environmental Health	3
	Credits	6
6th Semester/Term		
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 2030	Introduction to Global Health	2
	Credits	6
7th Semester/Term		
Fieldwork hours for the a	applied practice requirement	
	Credits	0
8th Semester/Term		
GPH-GU 2686	Thesis I: Practice and Integrative Learning Experiences	2
Elective		3
	Credits	5
9th Semester/Term		
GPH-GU 2687	Thesis II: Practice and Integrative Learning Experiences	2
Elective		3
	Credits	5
	Total Credits	46

# **Global Health**

### **Full-Time**

Elective

Note: online students take the 5000-level version of the courses below

note: online staden	ts take the 3000 level version of the courses belo	, , , ,
Course	Title	Credits
1st Semester/Term		
GPH-GU 2106	Epidemiology	3
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 5380	Data-Driven Decision-Making in Global Public Health	3
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 5171	Global Public Health Informatics	0
	Credits	11
2nd Semester/Term		
GPH-GU 2136	Fundamentals of Global Health and Development	3
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 5220	Applying Systems Thinking to Global Health Practice	3
GPH-GU 2153	Global Environmental Health	3
	Credits	12
3rd Semester/Term		
Fieldwork hours for the a	applied practice requirement	
	Credits	0
4th Semester/Term		
GPH-GU 2359	Applied Practice Experience Seminar	2
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2

Elective		3
	Credits	12
5th Semester/Term		
GPH-GU 2360	Integrative Learning Experience Seminar	2
Elective		3
Elective		3
Elective		3
	Credits	11
	Total Credits	46

### **Part-time**

**Note:** Online students take the 5000-level version of the courses below

Course	Title	Credits
1st Semester/Term		
GPH-GU 2106	Epidemiology	3
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 5171	Global Public Health Informatics	0
	Credits	5
2nd Semester/Term		
GPH-GU 2136	Fundamentals of Global Health and Development	3
GPH-GU 2153	Global Environmental Health	3
	Credits	6
3rd Semester/Term		
GPH-GU 2380	Data-Driven Decision Making in Global Public Health	3
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
	Credits	6
4th Semester/Term		_
GPH-GU 2220	Applying Systems Thinking to Global Health Practice	3
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
0111002112	Credits	7
5th Semester/Term	oreans	•
Elective		3
Elective		3
Liective	Credits	6
6th Semester/Term	Creuits	0
	Disabatistics for Dublic Hoolth	2
GPH-GU 2995 Elective	Biostatistics for Public Health	3
Elective		3
	Credits	6
7th Semester/Term		
Fieldwork hours for the a	pplied practice requirement	
	Credits	0
8th Semester/Term		
GPH-GU 2359	Applied Practice Experience Seminar	2
Elective		3
	Credits	5
9th Semester/Term		
GPH-GU 2360	Integrative Learning Experience Seminar	2
Elective		3
	Credits	5
	Total Credits	46

# **Public Health Nutrition**

### **Full-Time**

Course	Title	Credits
1st Semester/Term		
GPH-GU 2106	Epidemiology	3
GPH-GU 2115	Introduction to Principles of Nutrition in Public Health	3

	Total Credits	46
	Credits	11
Elective		3
GPH-GU 2153	Global Environmental Health	3
GPH-GU 2275	Nutrition Epidemiology for Public Health	3
GPH-GU 2360	Integrative Learning Experience Seminar	2
5th Semester/Term		
	Credits	12
Elective		3
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 2110	Health Care Policy	2
GPH-GU 2218	Assessing Community Health Needs	3
GPH-GU 2359	Applied Practice Experience Seminar	2
4th Semester/Term		
	Credits	0
Fieldwork hours for the	e applied practice requirement	
3rd Semester/Term		
	Credits	12
GPH-GU 2342	Global Issues in Public Health Nutrition	3
GPH-GU 2361	Research Methods in Public Health	3
GPH-GU 2213	Public Health Nutrition	3
GPH-GU 2995	Biostatistics for Public Health	3
2nd Semester/Term		
	Credits	11
GPH-GU 5171	Global Public Health Informatics	0
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 2140	Global Issues in Social & Behavioral Health	3

## Part-time

Course	Title	Credits
1st Semester/Term		
GPH-GU 2106	Epidemiology	3
GPH-GU 2115	Introduction to Principles of Nutrition in Public Health	3
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 5171	Global Public Health Informatics	0
	Credits	6
2nd Semester/Term		
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 2213	Public Health Nutrition	3
	Credits	6
3rd Semester/Term		
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2153	Global Environmental Health	3
	Credits	6
4th Semester/Term		
GPH-GU 2361	Research Methods in Public Health	3
GPH Elective		3
	Credits	6
5th Semester/Term		
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 2030	Introduction to Global Health	2
	Credits	6
6th Semester/Term		
GPH-GU 2275	Nutrition Epidemiology for Public Health	3
GPH-GU 2342	Global Issues in Public Health Nutrition	3
	Credits	6
7th Semester/Term		
Fieldwork hours for appl	ied practice requirement	
	Credits	0

3th	Semester/Term	

	Total Credits	46
	Credits	5
GPH Elective		3
GPH-GU 2360	Integrative Learning Experience Seminar	2
9th Semester/Term		
	Credits	5
GPH-GU 2218	Assessing Community Health Needs	3
GPH-GU 2359	Applied Practice Experience Seminar	2

# **Spring Start**

Course	Title	Credits
1st Semester/Term		
GPH-GU 5106	Epidemiology	3
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 2213	Public Health Nutrition	3
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 5170	Introduction to Public Health	0
	Credits	12
2nd Semester/Term	Credits	12
2nd Semester/Term GPH-GU 2995	Credits  Biostatistics for Public Health	<b>12</b> 3
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 2995 GPH-GU 2140	Biostatistics for Public Health Global Issues in Social & Behavioral Health	3
GPH-GU 2995 GPH-GU 2140 GPH-GU 2361	Biostatistics for Public Health Global Issues in Social & Behavioral Health Research Methods in Public Health	3 3

#### 3rd Semester/Term

	Credits	0
4th Semester/Term		
GPH-GU 2359	Applied Practice Experience Seminar	2
GPH-GU 2342	Global Issues in Public Health Nutrition	3
GPH-GU 2153	Global Environmental Health	3
GPH-GU 2275	Nutrition Epidemiology for Public Health	3
	Credits	11
5th Semester/Term		
GPH-GU 2360	Integrative Learning Experience Seminar	2
GPH-GU 2218	Assessing Community Health Needs	3
GPH Elective		3
GPH Elective		3
	Credits	11
·	Total Overlike	46

# Public Health Policy Full-time

Fieldwork hours for applied practice requirement

Course	Title	Credits
1st Semester/Term		
GPH-GU 2106	Epidemiology	3
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 5171	Global Public Health Informatics	0
	Credits	12
2nd Semester/Term		
GPH-GU 2153	Global Environmental Health	3
GPH-GU 2995	Biostatistics for Public Health	3

12

GPH-GU 2294	Designing and Managing Organizations in Public Health	3
GPH-GU 2155	Public Health Policy	3
	Credits	12
3rd Semester/Term		
Fieldwork hours for t	he applied practice requirement	
	Credits	0
4th Semester/Term		
GPH-GU 2359	Applied Practice Experience Seminar	2
GPH-GU 2349	Program Planning and Evaluation	3
Elective		3
Elective		3
	Credits	11
5th Semester/Term		
GPH-GU 2360	Integrative Learning Experience Seminar	2
GPH-GU 2282	Health Economics	3
GPH-GU 2292	Public Health Law	3
Elective		3
	Credits	11
	Total Credits	46

## Part-time

Course	Title	Credits
1st Semester/Term		
GPH-GU 2106	Epidemiology	3
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 5171	Global Public Health Informatics	0
	Credits	7
2nd Semester/Term		
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 2294	Designing and Managing Organizations in Public Health	3
GPH-GU 5170	Introduction to Public Health	0
	Credits	6
3rd Semester/Term		
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2030	Introduction to Global Health	2
	Credits	5
4th Semester/Term		
GPH-GU 2155	Public Health Policy	3
GPH-GU 2153	Global Environmental Health	3
	Credits	6
5th Semester/Term		
GPH-GU 2349	Program Planning and Evaluation	3
Elective		3
	Credits	6
6th Semester/Term		
GPH-GU 2282	Health Economics	3
GPH-GU 2292	Public Health Law	3
	Credits	6
7th Semester/Term		
Fieldwork hours for the ap	oplied practice requirement	
	Credits	0
8th Semester/Term		
GPH-GU 2359	Applied Practice Experience Seminar	2
Elective		3
	Credits	5
9th Semester/Term		
GPH-GU 2360	Integrative Learning Experience Seminar	2

46
5
3

# **Public Health Management** Full-time

Credits

Fieldwork hours for the applied practice requirement

i un-time		
Course	Title	Credits
1st Semester/Term		
GPH-GU 2106	Epidemiology	3
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 5171	Global Public Health Informatics	0
	Credits	12
2nd Semester/Term		
GPH-GU 2153	Global Environmental Health	3
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 2276	Public Health Financial Management	3
GPH-GU 2294	Designing and Managing Organizations in Public Health	3

#### 3rd Semester/Term

	Credits	0
4th Semester/Term		
GPH-GU 2359	Applied Practice Experience Seminar	2
GPH-GU 2248	Teams and Strategy in Public Health Management	3
Elective		3
Elective		3
	Credits	11
5th Semester/Term		
GPH-GU 2360	Integrative Learning Experience Seminar	2
GPH-GU 2292	Public Health Law	3
GPH-GU 2282	Health Economics	3
Elective		3
	Credits	11
-	Total Credits	46

### **Part-Time**

Course	Title	Credits
1st Semester/Term		
GPH-GU 2106	Epidemiology	3
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 5171	Global Public Health Informatics	0
	Credits	7
2nd Semester/Term		
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 2294	Designing and Managing Organizations in Public Health	3
GPH-GU 5170	Introduction to Public Health	0
	Credits	6
3rd Semester/Term		
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2248	Teams and Strategy in Public Health Management	3
	Credits	6
4th Semester/Term		
GPH-GU 2282	Health Economics	3

Course

1st Semester/Term

GPH-GU 2276	Public Health Financial Management	3
	Credits	6
5th Semester/Term		
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 2153	Global Environmental Health	3
	Credits	5
6th Semester/Term		
GPH-GU 2292	Public Health Law	3
Elective		3
	Credits	6
7th Semester/Term		
Fieldwork hours for the	applied practice requirement	
	Credits	0
8th Semester/Term		
GPH-GU 2359	Applied Practice Experience Seminar	2
Elective		3
	Credits	5
9th Semester/Term		
GPH-GU 2360	Integrative Learning Experience Seminar	2
Elective		3
	Credits	5
	Total Credits	46

# **Social and Behavioral Sciences** Full-Time

Title

GPH-GU 2106	Epidemiology	3
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2030	Introduction to Global Health	2
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 5171	Global Public Health Informatics	0
	Credits	11
2nd Semester/Term		
GPH-GU 2153	Global Environmental Health	3
GPH-GU 2353	Regression I: Linear Regression and Modeling	3
GPH-GU 2361	Research Methods in Public Health	3
Elective		3
	Credits	12
3rd Semester/Term		
Fieldwork hours for th	e applied practice requirement	
	Credits	0
4th Semester/Term		
GPH-GU 2686	Thesis I: Practice and Integrative Learning Experiences	2
GPH-GU 2354	Regression II: Categorical Data Analysis	3
GPH-GU 2960	Theories in Public Health, Practice, Policy & Research	3
GPH-GU 2160	Qualitative & Field Methods	3
	Credits	11
5th Semester/Term		
GPH-GU 2687	Thesis II: Practice and Integrative Learning Experiences	2
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
Elective		3
Elective		3
	Credits	12
	Total Credits	46

### **Part-Time**

Credits

Part-Tille		
Course	Title	Credits
1st Semester/Term		
GPH-GU 2106	Epidemiology	3
GPH-GU 2995	Biostatistics for Public Health	3
GPH-GU 5170	Introduction to Public Health	0
GPH-GU 5171	Global Public Health Informatics	0
	Credits	6
2nd Semester/Term		
GPH-GU 2153	Global Environmental Health	3
GPH-GU 2353	Regression I: Linear Regression and Modeling	3
	Credits	6
3rd Semester/Term		
GPH-GU 2140	Global Issues in Social & Behavioral Health	3
GPH-GU 2354	Regression II: Categorical Data Analysis	3
	Credits	6
4th Semester/Term		
GPH-GU 2361	Research Methods in Public Health	3
Elective		3
	Credits	6
5th Semester/Term		
GPH-GU 2960	Theories in Public Health, Practice, Policy & Research	3
GPH-GU 2160	Qualitative & Field Methods	3
	Credits	6
6th Semester/Term		
GPH-GU 2110	Health Care Policy	2
GPH-GU 2112	Public Health Management and Leadership	2
GPH-GU 2030	Introduction to Global Health	2
	Credits	6
7th Semester/Term		
Fieldwork hours for the a	applied practice requirement	
	Credits	0
8th Semester/Term		
GPH-GU 2686	Thesis I: Practice and Integrative Learning Experiences	2
Elective		3
	Credits	5
9th Semester/Term		
GPH-GU 2687	Thesis II: Practice and Integrative Learning	2
	Experiences	
Elective		3
	Credits	5
	Total Credits	46

# **Learning Outcomes MPH Foundational Competencies**

All MPH graduates must demonstrate the following competencies. These competencies are informed by the traditional public health core knowledge areas, (biostatistics, epidemiology, social and behavioral sciences, health services administration and environmental health sciences), as well as cross-cutting and emerging public health areas.

#### **Evidence-based Approaches to Public Health**

- 1. Apply epidemiological methods to settings and situations in public health practice.
- 2. Select quantitative and qualitative data collection methods appropriate for a given public health context.
- 3. Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate.

4. Interpret results of data analysis for public health research, policy or practice.

#### **Public Health & Health Care Systems**

5. Compare the organization, structure and function of health care, public health, and regulatory systems across national and international settings.

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 systemic levels.

#### Planning & Management to Promote Health

- 7. Assess population needs, assets and capacities that affect communities' health.
- 8. Apply awareness of cultural values and practices to the design, implementation, or critique of public health policies or programs.
- 9. Design a population-based policy, program, project or intervention.
- 10. Explain basic principles and tools of budget and resource management.
- 11. Select methods to evaluate public health programs.

#### **Policy in Public Health**

- 12. Discuss the policy-making process, including the roles of ethics and evidence.
- 13. Propose strategies to identify stakeholders and build coalitions and partnerships for influencing public health outcomes.
- 14. Advocate for political, social or economic policies and programs that will improve health in diverse populations.
- 15. Evaluate policies for their impact on public health and health equity.

#### Leadership

- 16. Apply leadership and/or management principles to address a relevant
- 17. Apply negotiation and mediation skills to address organizational or community challenges.

#### Communication

- 18. Select communication strategies for different audiences and sectors.
- 19. Communicate audience-appropriate (i.e., non-academic, non-peer audience) public health content, both in writing and through oral presentation.
- 20. Describe the importance of cultural competence in communicating public health content.

#### Interprofessional Practice

21. Integrate perspectives from other sectors and/or professions to promote and advance population health.

#### **Systems Thinking**

22. Apply a systems thinking tool to visually represent a public health issue in a format other than a standard narrative.

## **Biostatistics Concentration**

- Apply descriptive and inferential methodologies according to the type of study design for answering a particular research question.
- Harness basic concepts of probability, random variation and commonly used statistical probability distributions.
- Distinguish among the different measurement scales and the implications for selection of statistical methods to be used based on these distinctions.
- Implement the appropriate analytic methods for calculating key measures of association.

- Understand and apply ethical principles to data acquisition, management, storage, sharing, and analysis
- Interpret results of statistical analyses found in public health research studies.
- · Utilize relevant statistical software for data analysis.

# **Community Health Science and Practice Concentration**

- Gather and analyze community health data to identify and prioritize issues for program planning that promotes community health
- Apply a social ecological framework to the assessment of behavioral, social, cultural, economic, environmental and institutional factors that contribute to health among diverse populations
- Apply a social ecological framework to identify evidence-based interventions that promote population and community health
- Apply a social ecological framework to the planning and evaluation of population-based intervention strategies to improve health and reduce inequities.
- Adapt and implement evidence-based strategies to promote healthy communities and health equity
- Design strategies to engage community stakeholders and to develop community partnerships for population-based health programs

# **Environmental Public Health Sciences Concentration**

- Describe the origin and pathways of contaminants in the environment and the mechanisms through which they are introduced
- Identify the direct and indirect effects of environmental hazards on humans and ecological systems
- Assess the qualitative and quantitative aspects of exposure, dose response, and risk characterization of environmental agents
- Critically evaluate, synthesize, and interpret scientific findings in the environmental health literature, including relevant topics in epidemiology, toxicology, engineering, and medicine
- Specify approaches for assessing, preventing, and controlling environmental hazards that pose risk to human health and safety
- Define the role and impact of national and international environmental health regulatory programs, agencies, and organizations

## **Epidemiology Concentration**

- Identify methods for measuring the distribution of determinants of health outcomes and well-being within and across populations
- Critically evaluate the application of epidemiologic methods to answer public health questions.
- Identify data sources, manage large datasets, and conduct analyses using appropriate statistical software
- Synthesize the extant epidemiologic literature and identify its limitations and gaps
- Effectively communicate epidemiologic findings both orally and in writing.

## **Global Health Concentration**

- Describe the major players in global health governance and institutions that conduct health/public health policy research and analysis
- Perform strategic assessment and evaluation to analyze factors shaping individual and institutional behaviors and measure their impact.
- Identify relevant sources for quantitative and qualitative data to analyze the global burden of disease.
- Analyze causes, risk factors, interventions, and bottlenecks for the global burden of disease in different contexts.
- Identify cost-effective interventions, strategies, and platforms to accelerate context specific progress towards the health related SDGs.
- Advocate for cost-effective policies and strategies to accelerate progress towards the health related SDGs.
- Develop investment cases for maximum health returns on investment of intervention policies, implementation and financing strategies.

## **Public Health Nutrition Concentration**

- Identify and assess diet and nutritional status related health problems, of both undernutrition and over-nutrition, among diverse population groups in the United States and globally
- Describe the social, cultural, economic, environmental, and institutional factors that contribute to the risk of undernutrition and over-nutrition among populations
- Compare and contrast educational, community, institutional, and other population-based intervention strategies to improve nutritional health status, decrease food security and reduce obesity
- Analyze and assess policies aimed at increasing access and reducing barriers to food insecurity and improved national health status in diverse population groups
- Apply evidence-based research findings to the development and implementation of nutrition policies, programs, and interventions in the United States and globally

# Public Health Policy and Management Concentration

#### **Health Policy:**

- Analyze the main components and challenges in the organization, financing and delivery of health care and public health services
- · Describe the legal basis for public health and health services
- Apply principles of leadership and management to work with and across organizations, sectors and agencies
- Discuss processes for developing and implementing policies and programs to improve the health status of populations, especially vulnerable groups
- Evaluate public policies and programs that promote health and health equity

#### **Management:**

- Analyze the main components and challenges in the organization, financing and delivery of health care and public health services
- Describe the legal basis for public health and health services
- Apply principles of leadership and management to work with and across organizations, sectors and agencies

- Apply the principles and tools of budgeting and resource management to improve the performance of public health and health care delivery organizations
- · Apply principles of strategic management to public health

# **Social and Behavioral Sciences Concentration**

- Critically assess the literature related to social and behavioral aspects of health
- Explain major theories, trends, and debates in the social and behavioral sciences literature regarding health
- Assess the means by which structural bias & social inequities undermine health & create challenges to achieving health equity at the behavioral, community & societal levels
- Apply the methods and analytic tools of social and behavioral science to design, implement, and analyze evaluation or research studies
- · Apply ethical principles to public health research and evaluation
- · Disseminate research findings to diverse audiences

## **About MPH Core Competencies**

The NYU MPH program uses an adaption of the MPH Core Competency model developed by the Association of Schools and Programs of Public Health (ASPPH). Our curriculum uses this model as a foundation for ensuring that our graduates are well-prepared to enter rewarding careers in public health. Read More. (https://nyu.app.box.com/s/fij7won72o4dc8eerkqqkqg14xrdbypr/)

# **Policies**

#### **NYU Policies**

University-wide policies can be found on the New York University Policy pages (https://bulletins.nyu.edu/nyu/policies/).

#### School of Global Public Health Policies

A list of related academic policies can be found on the School of Global Public Health academic policies page (https://bulletins.nyu.edu/graduate/global-public-health/academic-policies/).