# Program in Applied Public Health Sciences

## Spring 2023 Course Schedule

<table>
<thead>
<tr>
<th>Course #</th>
<th>Title</th>
<th>Location</th>
<th>Time</th>
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<tbody>
<tr>
<td>Monday</td>
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<tr>
<td>PUBH 5404-F01</td>
<td>Environmental Health (Palmeri)</td>
<td>Patterson</td>
<td>5:30-8:30</td>
</tr>
<tr>
<td>PUBH 5434-F01</td>
<td>Topics in Intermediate Biostatistics (Chan)</td>
<td>A1a</td>
<td>5:30-8:30</td>
</tr>
<tr>
<td>PUBH 5497-F01</td>
<td>Health Topics in Humanitarian Crisis, Disaster Preparedness and Response (Moore)</td>
<td>U3071 A/Bb</td>
<td>5:30-8:30</td>
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<tr>
<td>Tuesday</td>
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<tr>
<td>PUBH 5405-F01</td>
<td>Social &amp; Behavioral Foundations of Public Health (Jorge)</td>
<td>Patterson</td>
<td>5:30-8:30</td>
</tr>
<tr>
<td>PUBH 5414-F01</td>
<td>Health Economics (Rhee)</td>
<td>A1a</td>
<td>5:30-8:30</td>
</tr>
<tr>
<td>PUBH 5460-F01</td>
<td>Health and Human Rights (Chapman)</td>
<td>U3071 A/Bb</td>
<td>5:30-8:30</td>
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<tr>
<td>Wednesday</td>
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<tr>
<td>PUBH 5202-F01</td>
<td>Eliminating Social Inequality and Health Disparities (Brown)</td>
<td>U3071 A/Bb</td>
<td>5:30-8:30</td>
</tr>
<tr>
<td>PUBH 5409-F01</td>
<td>Introduction to Epidemiology &amp; Biostatistics II, Farmington (Wetstone)</td>
<td>Rotunda</td>
<td>5:30-8:30</td>
</tr>
<tr>
<td>PUBH 5409-001</td>
<td>Introduction to Epidemiology &amp; Biostatistics II, Storrs (Wetstone)</td>
<td>Rowe 131d</td>
<td>5:30-8:30</td>
</tr>
<tr>
<td>PUBH 5497-F06</td>
<td>Chronic Disease Prevention and Control (Swede)</td>
<td>A8a</td>
<td>2:00-5:00</td>
</tr>
<tr>
<td>PUBH 5497-F08</td>
<td>Data Visualization in Public Health (Mohamed-Abouh)</td>
<td>Hybrid</td>
<td>5:30-8:30</td>
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<td>Thursday</td>
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<tr>
<td>PUBH 5431-F40</td>
<td>Public Health Research Methods, Farmington (Cunningham)</td>
<td>Patterson</td>
<td>5:30-8:30</td>
</tr>
<tr>
<td>PUBH 5431-001</td>
<td>Public Health Research Methods, Storrs (Cunningham)</td>
<td>Rowe 318d</td>
<td>5:30-8:30</td>
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<tr>
<td>PUBH 5497-F04</td>
<td>Public Health Nutrition (Bermudez-Millan)</td>
<td>U3071 A/Bb</td>
<td>2:00-5:00</td>
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<tr>
<td>PUBH 5497-F05</td>
<td>Mixed Methods Research in Public Health (Restrepo-Ruiz)</td>
<td>U3071 A/Bb</td>
<td>5:30-8:30</td>
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<td>Friday</td>
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<tr>
<td>PUBH 5497-F03</td>
<td>Leadership Education in Neurodevelopmental and Related Disabilities (LEND) Seminar II (Bruder)</td>
<td>The Exchange, Suite 173</td>
<td>8:30-4:30</td>
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<tr>
<td>Variable Days</td>
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<tr>
<td>PUBH 5407-F01</td>
<td>Practicum in Public Health (Bermudez-Millan/Brown)</td>
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<tr>
<td>PUBH 5495-F01</td>
<td>Independent Study in Public Health</td>
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<tr>
<td>PUBH 5498-F01</td>
<td>Field Experience in Public Health System (Brown)</td>
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<tr>
<td>PUBH 5499-F01</td>
<td>Capstone Project in Public Health (Gregorio)</td>
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<tr>
<td>PUBH 6495-F01</td>
<td>Independent Study of Special Topics in Advanced Public Health Sciences</td>
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<tr>
<td>Research and Continuous Registration</td>
<td>GRAD 5950</td>
<td>Master’s Thesis Research</td>
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<td>GRAD 5998-F01</td>
<td>Special Readings</td>
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<td></td>
<td>GRAD 5999-F01</td>
<td>Thesis Research</td>
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<td>Online</td>
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<tr>
<td>PUBH 5502-F01</td>
<td>Epidemiology of Disability (Lutz)</td>
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<tr>
<td>PUBH 5504-F01</td>
<td>Public Health Interventions in Disability (Lutz)</td>
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a UCONN Health Academic Building  
b UCONN Health 195 Farmington Avenue  
c UCONN Health 270 Farmington Avenue (The Exchange)  
d UCONN Storrs
### PUBH 5404-F01  Environmental Health  3 credits
(14008)  UCONN Health Farmington
This course explores the policy, political and public health implications of such issues as air pollution, drinking water, exposure to hazardous chemicals, indoor air pollution, food safety, lead poisoning, housing, international issues, etc. Provides the student with some basic technical information and familiarity with terms for a better understanding of policy and political decisions and health effects of environmental exposures. **Permission number required from MPH Office for non-Public Health Graduate Students.**
**Instructor:** Marco Palmeri, MPH  
**mpalmeri@uchc.edu**  
**Time:** 5:30-8:30 PM  
**Mode/Location:** In Person/Patterson Auditorium

### PUBH 5434-F01  Topics in Intermediate Biostatistics  3 credits
(14021)  UCONN Health Farmington
An introduction to the interplay of experimental design and data analysis. Begins with a review of statistical estimation and testing. Topics include analysis of variance, linear regression, and power analysis. Applications are emphasized through the demonstration and use of statistical software.
**Instructor:** Grace Chan, PhD  
**gchan@uchc.edu**  
**Time:** 5:30 – 8:30 PM  
**Mode/Location:** In Person/A1

### PUBH 5497-F01  Health Topics in Humanitarian Crisis, Disaster Preparedness and Response  3 credits
(14019)  UCONN Health Farmington
Students who take this course will get a general understanding of the public health impact of disasters and humanitarian crisis, disaster preparedness and response to an acute emergency. Students will learn practical strategies and tools for disaster planning/ preparedness and disaster response. We will also discuss history and ethics behind humanitarianism and public health problems that arise in a protracted crisis caused by disaster or conflict settings including emergence of infectious disease, displacement, malnutrition, gender-based violence, and psychiatric disease. In addition, students will learn about all elements of a response to a long-term crisis including Water, Sanitation and Hygiene (WASH) considerations, logistic and security challenges, and healthcare. They will learn how to design a response plan to a crisis or disaster situation and understand health needs of a displaced population.
**Instructors:** Natalie Moore, MD, MPH  
**nmoore@uchc.edu**  
**Time:** 5:30-8:30 PM  
**Mode/Location:** In Person/U3071 A/B, 195 Farmington Ave.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Section Code</th>
<th>Location</th>
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<tbody>
<tr>
<td>PUBH 5405-F01</td>
<td>Social &amp; Behavioral Foundations of Public Health</td>
<td>3</td>
<td>(14009)</td>
<td>UCONN Health Farmington</td>
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<tr>
<td>PUBH 5414-F01</td>
<td>Health Economics</td>
<td>3</td>
<td>(16130)</td>
<td>UCONN Health Farmington</td>
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<tr>
<td>PUBH 5460-F01</td>
<td>Health and Human Rights</td>
<td>3</td>
<td>(14023)</td>
<td>UCONN Health Farmington</td>
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**TUESDAYS, 1/17/23–5/2/23**

This course is an introductory survey emphasizing basic social science concepts in the analysis of public health, including orientations toward health, disease and health care, the origins and distribution of health care resources and the role of social movements and research in improving public health. **Permission number required from MPH Office for non-Public Health Graduate Students.**

**Instructor:** Celeste Jorge  
**Time:** 5:30 – 8:30 PM  
**Mode/Location:** In Person/Patterson Auditorium

**Instructor:** Greg Rhee, PhD, MSW  
**Time:** 5:30-8:30 PM  
**Location:** In Person/A1

**Instructor:** Audrey Chapman, PhD, MDiv, STM  
**Time:** 5:30-8:30 PM  
**Mode/Location:** In Person/U3071 A/B, 195 Farmington Ave.
### PUBH 5202-F01
Eliminating Social Inequality and Health Disparities  
(14030)  
UCONN Health Farmington  

Examination of the evidence for structural, community, and individual-level interventions to reduce the impact of inequity on health and health care utilization. Identification and implementation of multi-level interventions that may reduce inequities by altering the social, economic, and other structural aspects of the environment. It will also address challenges of implementation and ways to reduce potential barriers. The course builds on the conceptual basis of PUBH 5201.

**Instructor:** Stacey Brown, PhD  
**Time:** 5:30-8:30 pm  
**Mode/Location:** In Person/U3071 A/B, 195 Farmington Ave.

### PUBH 5409-F01
Introduction to Epidemiology & Biostatistics II  
(14011)  
UCONN Health Farmington  

Be sure to select the campus where you expect to attend classes

This continuation of a two-course sequence on basic epidemiology, biostatistics and public health research addresses hypothesis generation, data collection methods, point and confidence interval estimation, inference testing, correlation/regression analysis, multivariable interaction, effect modification, power and meta-analysis. Evaluation of study designs, research methods and statistical procedures in clinical and public health literature will be stressed. Non-degree students may request permission to enroll through the MPH Program Office. **Permission number required from MPH Office for non-Public Health Graduate Students.**

**Instructor:** Scott Wetstone, MD  
**Time:** 5:30 – 8:30 PM  
**Mode/Location:** In Person/The Rotunda – UConn Health, Farmington  
**In Person/Rowe 131 – UConn, Storrs**

### PUBH 5497-F06
Chronic Disease Prevention and Control  
(16027)  
UCONN Health Farmington  

Chronic diseases are examined from clinical, epidemiologic, genetic, and evidence-based risk reduction perspectives (e.g., physical activity). Health conditions examined include common cancers, diabetes, cardiovascular diseases, chronic obstructive pulmonary disease, obesity epidemic, sickle cell disease/trait and congenital conditions tested in state newborn screening programs. Also covered: historical and modern roles of public health agencies in chronic disease control, occupational health, screening recommendations, and ethnic/racial disparities in incidence and outcomes.

**Instructor:** Helen Swede, PhD  
**Time:** 2:00-5:00 PM  
**Mode/Location:** In Person/A8  

### PUBH 5497-F08
Data Visualization in Public Health  
(16133)  
UCONN Health Farmington  

No doubt, there is a pressing need to understand the role of data visualization in modern public health practice. Data visuals are critical in explaining and communicating areas of need, setting priorities, tracking change, and making decisions. This course introduces students to the basic knowledge and principles of analytic design and the ethical concepts of presenting data. It also includes substantial skill building by introducing the students to graphic design. This involves exploring publicly available datasets, selecting and organizing data of interest, then creating compelling data visuals that are accurate, easy to understand, and visually appealing to the audiences. This course is applied in nature with hands-on activities using an online tool called VISME.

**Instructor:** Fawatih Mohamed-Abouh, MD, MPH  
**Time:** 5:30-8:30 PM  
**Mode/Location:** Hybrid/TBD

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**WEDNESDAYS, 1/18/23– 5/3/23**
PUBH 5431-F01  Public Health Research Methods
(14025)  UCONN Health Farmington  3 credits
PUBH 5431-001  Public Health Research Methods
(9829)  UCONN Storrs  3 credits

**Be sure to select the campus where you expect to attend classes**

Introduction to conceptualization, methods, and analysis in public health research including formulation of research questions and hypotheses, development of research and analytic models, use of qualitative (interviewing and observation) and quantitative (secondary and survey data) data collection methods, and qualitative and quantitative data analysis leading to the formulation of research projects. Non-degree students may request permission to enroll through the MPH Program Office. **Permission number required from MPH Office for non-Public Health Graduate Students.**

**Instructor:** Shayna Cunningham  
**Time:** 5:30 – 8:30 PM

**Instruction Mode:** In Person/Patterson – UConn Health, Farmington  
In Person/Rowe 318 – UConn, Storrs

PUBH 5497-F04  Public Health Nutrition
(16025)  UCONN Health Farmington  3 credits

This course will introduce the topic, emphasizing the definition, identification and prevention of nutrition-related disease, as well as ways of improving health of a population by improving nutrition. This course also emphasizes the societal, economic, environmental and institutional barriers to improving the nutritional status and health of diverse population groups. It will discuss key concepts and methods in nutritional epidemiology in order to equip students with some of the tools needed to design, analyze and critically evaluate population-based nutrition research. Lastly, it will review existing programs and policies, including strengths, weaknesses and areas for modification or new interventions.

**Instructor:** Angela Bermudez-Millan, PhD, MPH  
**Time:** 2:00 – 5:00 PM

**Mode/Location:** In Person/U3071 A/B, 195 Farmington Ave.

PUBH 5497-F05  Mixed Methods Research in Public Health
(16026)  UConn Health Farmington  3 credits

This is an introductory course to mixed-methods research (MMR) in public health. Students in this course will learn how to integrate quantitative and qualitative methodologies in research in meaningful ways. Intended for advance students in the MPH program and doctoral students, this course will provide the opportunity to develop the research design section for a dissertation and any other research proposal. Students will identify a topic for an MMR project, elaborate the rationale for using a mixed-methods approach, develop a research model and research questions, and identify data sources appropriate for an MMR project. In addition, students will learn about MMR designs (convergent parallel, explanatory sequential, exploratory sequential), the importance of sampling design in MMR, and data integration. The overall objective of this course is to provide students with the foundational knowledge to appreciate the complexities of MMR while developing the skills and courage to design an MMR on a topic they feel passionate about.

**Instructor:** Mayte Restrepo-Ruiz, PhD, MPH  
**Time:** 5:30-8:30 PM

**Mode/Location:** In Person/ U3071 A/B, 195 Farmington Ave.
FRIDAYS, 1/20/23–5/23

PUBH 5497-F03 Leadership Education in Neurodevelopmental and related Disabilities 3 credits
(LEND) Seminar II
(14022) UCONN Health Farmington
This is the second of a 2-seminar sequence that is part of an interdisciplinary leadership training program aimed at improving the health of infants, children and adolescents who have, or are at risk for developing, neurodevelopmental and other related disabilities, with an emphasis on autism spectrum disorders. Lecturers include experts from different disciplines from UConn and across the country. Topics include the following: cultural competency, family-centered care, interdisciplinary teamwork, service integration, community-based organization, disability policy and advocacy, etc. This seminar is open to Leadership Education in Neurodevelopmental and related Disabilities (LEND) trainees. Instructor consent required.

Instructor: Mary Beth Bruder, PhD  bruder@uchc.edu
Time: 8:30-4:30 PM
Mode/Location: In Person/UCEDD Conference Room, Suite 173
The Exchange, 270 Farmington Ave.
VARIABLE DAYS & TIMES

PUBH 5407-F01 Practicum in Public Health 3 credits
(14010) UConn Health Farmington
Under faculty guidance, students undertake an organized set of activities that responds to an identified need of a public health agency or health-related organization. The activities may involve the policy development, planning, implementation, administration or evaluation of public health services, or a combination of such activities. Students should be appropriately advanced before initiating the practicum. Instructor consent and permission number required from MPH Office.
Instructor: Stacey Brown, PhD stbrown@uchc.edu
Angela Bermudez-Millan, PhD, MPH bermudez-millan@uchc.edu
Time/Instruction Mode: By arrangement

PUBH 5495-F01 Independent Study in Public Health Variable 1 – 9 credits
(14018) UCONN Health Farmington
An individual course for those wishing to pursue special topics in the public health sciences under faculty supervision. May be repeated for credit.
Instructor: Staff
Time/Instruction Mode: By arrangement

PUBH 5498-F01 Field Experience in Public Health Systems Variable credits
(14012) UCONN Health Farmington
Under direction by field preceptors, students will participate in an intensive service-learning experience wherein they will examine a timely public health issue from the perspective of health indicators/disease surveillance; policy development; planning, implementation, or evaluation of public health services; essential public health functions; and operational issues of a large complex public health agency/organization. (NOTE: Students will be required to minimally dedicate a half day (at least 3 day-time hours) each week to their onsite field work obligations, consistent with the hours/schedule of the agency/organization and must adjust their schedules accordingly.) Permission number required from MPH Office.
Instructor: Stacey Brown, PhD stbrown@uchc.edu
Time/Instruction Mode: By arrangement

PUBH 5499-F01 Capstone Project in Public Health Variable 3 - 6 credits
(14013) UCONN Health Farmington
Under faculty guidance, students pursue independent projects on special topics in the public health sciences. This is the course intended for students pursuing a final project. Permission number required from MPH Office.
Instructor: David Gregorio, PhD, MS gregorio@uchc.edu
Time/Instruction Mode: By arrangement

PUBH 6495-F01 Independent Study of Special Topics in Advanced Public Health Sciences Variable 1-9 credits
(14026) UCONN Health Farmington
A doctoral-level independent study course for Ph.D. students who wish to pursue special topics in advanced public health sciences under faculty supervision
Instructor: Staff
Time/Instruction Mode: By arrangement
### RESEARCH & CONTINUOUS REGISTRATION

**GRAD 5950**  
**Master’s Thesis Research**  
**UCONN Health Farmington**  
This course is to be used by those students who are performing required research for the Master’s Thesis paper. Other courses may be taken concurrently and students may hold a graduate assistantship. Full-time enrollment equals a total of 6 credits. **Recommendation of student’s major advisor and MPH program permission required.**  
**Instructor:** Student’s Major Advisor  
**Time/Instruction Mode:** By arrangement

**GRAD 5998-F01**  
**Special Readings**  
**UCONN Health Farmington**  
To be used by master’s students who are **not enrolled in a thesis (Plan A) track.** This is a non-credit course for which master’s degree students must register in cases where their regular program of course work for credit has been interrupted and they are not otherwise registered.  
**Instructor:** Student’s Major Advisor  
**Time/Instruction Mode:** By arrangement

**GRAD 5999-F01**  
**Thesis Research**  
**UCONN Health Farmington**  
Open only to graduate students **enrolled in a Plan A Master’s Degree Program.** This is a non-credit course to be used to maintain registered status by Plan A master’s students who have completed their coursework and who are not registered for any other credit-bearing course.  
**Instructor:** Student’s Major Advisor  
**Time/Instruction Mode:** By arrangement
## ONLINE COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PUBH 5502-F01</td>
<td>Epidemiology of Disability</td>
<td>3</td>
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<tr>
<td>(14015)</td>
<td>Online</td>
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<td>This course introduces epidemiologic research design and delves deeply into epidemiology, as it applies to monitoring the health status of people with disabilities, diagnosing and investigating health problems, evaluating personal and population-based interventions, and conduct of research as uniquely affecting and affected by disability. It also critically examines sources of public health and epidemiologic data that exist. As part of the Certificate of Interdisciplinary Disability Studies in Public Health (Disability Certificate), the course aligns with the 10 Essential Public Health Services. Prerequisites: PUBH 5501 (waived with instructor permission). Instructor consent required.</td>
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<tr>
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<td>Instructor: Tara Lutz, PhD, MPH, CHES</td>
<td><a href="mailto:lutz@uchc.edu">lutz@uchc.edu</a></td>
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<td>Dates/Times: By arrangement</td>
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<tr>
<td>PUBH 5504-F01</td>
<td>Public Health Interventions in Disability</td>
<td>3</td>
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<tr>
<td>(14014)</td>
<td>Online</td>
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<td>This course is the final course in the Certificate of Interdisciplinary Disability Studies in Public Health (Disability Certificate). It aligns with the 10 Essential Public Health Services. It critically examines public health systems and programs across the lifespan available to people with disabilities that impact health. It extends on foundational principles that are evidence-based and driven by epidemiologic studies of disability within the context of existing laws and policies. Prerequisites: PUBH 5501, 5502, &amp; 5503 (waived with instructor permission). Instructor consent required.</td>
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<tr>
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<td>Instructor: Tara Lutz, PhD, MPH, CHES</td>
<td><a href="mailto:lutz@uchc.edu">lutz@uchc.edu</a></td>
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