

Program in Applied Public Health Sciences

Spring 2025 Course Schedule

| Course # | Title | Location | Time |
|---|--|--|------------|
| Monday | | | |
| PUBH 5404-F01 | Environmental Health (Palmeri) | Rotunda ^a | 5:30-8:30 |
| PUBH 5434-F01 | Topics in Intermediate Biostatistics (Chan) | A1 ^a | 5:30-8:30 |
| PUBH 5497-F05 | Substance Use & Public Health (Mead-Morse) | Hybrid/U3071 A/B ^b | 2:00-5:00 |
| Tuesday | | | |
| PUBH 5405-F01 | Social & Behavioral Foundations of Public Health (Powell Sears) | Hybrid/Rotunda ^a | 5:30-8:30 |
| PUBH 5407-F01 | Practicum in Public Health (Bermudez-Millan/Brown) | Hybrid Limited/U3071 A/B ^b | 3:00-5:00 |
| PUBH 5433-F01 | Health Program Evaluation (Jo) | Hybrid/U3071 A/B ^b | 5:30-8:30 |
| PUBH 5497-F01 | Outbreak Investigation (Cartter/Durante) | PHS Large Conf. Room ^b | 5:30-8:30 |
| Wednesday | | | |
| PUBH 5202-F01 | Eliminating Social Inequality and Health Disparities (Restrepo-Ruiz) | U3071 A/B ^b | 5:30-8:30 |
| PUBH 5409-F01 | Introduction to Epidemiology & Biostatistics II, Farmington (Wetstone) | Rotunda ^a | 5:30-8:30 |
| PUBH 5409-001 | Introduction to Epidemiology & Biostatistics II, Storrs (Wetstone) | Rowe 318 ^d | 5:30-8:30 |
| PUBH 5497-F02 | Chronic Disease Prevention & Control (Swede) | PHS Large Conf. Room ^b | 4:30-7:30 |
| Thursday | | | |
| PUBH 5431-F01 | Public Health Research Methods, Farmington (Cunningham) | U3071 A/B ^b | 5:30-8:30 |
| PUBH 5431-001 | Public Health Research Methods, Storrs (Cunningham) | Rowe 320 ^d | 5:30-8:30 |
| PUBH 5477-F01 | Food, Health and Politics (Bermudez-Millan) | U3071 A/B ^b | 2:00-5:00 |
| PUBH 5497-F07 | Climate Change and Public Health (Levy Zamora) | PHS Large Conf. Room ^b | 5:30-8:30 |
| PUBH 5497-F08 | Data Visualization in Public Health (Mohamed-Abouh) | Hybrid Limited/ TBD | 2:00-5:00 |
| Friday | | | |
| PUBH 5497-F03 | Leadership Education in Neurodevelopmental and Related Disabilities (LEND) Seminar II (Bruder) | The Exchange, Suite 173 UCEDD Conf. Room ^c | 8:30-4:30 |
| PUBH 5497-F04 | Public Health and Media (Hunter) | U3071 A/B ^b | 12:00-3:00 |
| PUBH 5497-F06 | The Political Determinants of Health (Gregorio) | U3071 A/B ^b | 9:00-12:00 |
| Variable Days | | | |
| PUBH 5495-F01 | Independent Study in Public Health | | |
| PUBH 5498-F01 | Field Experience in Public Health System (Brown) | | |
| PUBH 5499-F01 | Capstone Project in Public Health (Gregorio) | | |
| PUBH 6495-F01 | Independent Study of Special Topics in Advanced Public Health Sciences | | |
| Online | | | |
| PUBH 5502-F01 | Epidemiology of Disability (Lutz) | | |
| PUBH 5504-F01 | Public Health Interventions in Disability (Lutz) | | |
| Research and Continuous Registration | | | |
| GRAD 5950 | Master's Thesis Research | | |
| GRAD 5998-F01 | Special Readings | | |
| GRAD 5999-F01 | Thesis Research | | |
| GRAD 6950 | Doctoral Dissertation Research | | |
| GRAD 6998-F01 | Continuous Registration (Doctoral) | | |
| GRAD 6999-F01 | Dissertation Preparation | | |

^a UCONN Health Academic Building

^b UCONN Health 195 Farmington Avenue

^c UCONN Health 270 Farmington Avenue (The Exchange)

^d UCONN Storrs

MONDAYS, 1/27/25 – 5/5/25

PUBH 5404-F01 Environmental Health (12619) UCONN Health Farmington 3 credits

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, RS

mpalmeri@uchc.edu

Time: 5:30-8:30 PM

Location: Academic Rotunda

PUBH 5434-F01 Topics in Intermediate Biostatistics (12629) UCONN Health Farmington 3 credits

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

Location: A1

PUBH 5497-F05 Substance Use & Public Health (12636) UConn Health Farmington 3 credits

This course will introduce students to the field of substance use through a public health lens. It will examine: how we classify substance use, substance misuse, and substance use disorders; the impact on population health, including health inequity; and how the social determinants of health impact substance use. Using the socioecological model as a framework, we will analyze key risk and protective factors for substance use. We will review prevention and treatment efforts and critically examine research methods used in the field. Students will gain a critical understanding of current issues in substance use and become experts in a chosen addictive substance or behavior.

Instructor: Erin Mead-Morse, PhD

mead@uchc.edu

Time: 2:00 – 5:00 PM

Location: Hybrid/U3071 A/B, 195 Farmington Ave.

TUESDAYS, 1/21/25– 5/6/25

PUBH 5405-F01 Social & Behavioral Foundations of Public Health (12620) UCONN Health Farmington 3 credits

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: Karen Powell Sears, PhD powellsears@uchc.edu
Time: 5:30 – 8:30 PM
Location: Hybrid/Academic Rotunda

PUBH 5407-F01 Practicum in Public Health (12621) UConn Health Farmington 3 credits

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.**

Instructors: Stacey Brown, PhD stbrown@uchc.edu
Angela Bermudez-Millan, PhD, MPH bermudez-millan@uchc.edu
Time: 3:00 – 5:00 PM
Location: Hybrid Limited/ U3071 A/B, 195 Farmington Ave.

PUBH 5433-F01 Health Program Evaluation (12640) 3 credits

Methods of evaluating the implementation and impact of health programs. Topics include specification of program objectives and components, experimental and quasi-experimental evaluation designs, collection and analysis of program data, and the dissemination and application of evaluation results.

Instructor: Youngji Jo, PhD jo@uchc.edu
Time: 5:30-8:30 PM
Location: Hybrid/ U3071 A/B, 195 Farmington Ave.

PUBH 5497-F01 Outbreak Investigation (12628) UConn Health Farmington 3 credits

This course provides an introduction to the investigation of acute infectious disease outbreaks by public health departments in the United States. The focus is on public health practice, not public health research. Students should have a basic understanding of epidemiology and an interest in the public health response to outbreaks and epidemics, both past and present. Topics will include roles and responsibilities of local, state, and national public health agencies; legal framework for conducting outbreak investigations; implementation of public health control measures; confidentiality laws; crisis and emergency risk communication; incident command; and joint investigations with law enforcement. Throughout the course, students will consider whether epidemiology can provide information in real time to guide the implementation of public health control and prevention measures. **Prerequisites: PUBH 5408 and 5409, or instructor consent. Permission number required from MPH Office.**

Instructor: Matthew Cartter, MD, MPH mcartter@uchc.edu
Amanda Durante, PhD, MSc
Time: 5:30-8:30 PM
Location: Public Health Sciences Large Conference Room, 195 Farmington Ave.

WEDNESDAYS, 1/22/25– 5/7/25

PUBH 5202-F01 Eliminating Social Inequality and Health Disparities 3 credits
(12634) 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: Mayte Restrepo-Ruiz, PhD, MPH **restreporuiz@uchc.edu**
Time: 5:30-8:30 pm
Location: U3071 A/B, 195 Farmington Ave.

PUBH 5409-F01 Introduction to Epidemiology & Biostatistics II 3 credits
(12622) UCONN Health Farmington

PUBH 5409-001 Introduction to Epidemiology & Biostatistics II 3 credits
(3600) UCONN Storrs

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. **Only students who have passed PUBH 5408 are eligible to enroll.** Permission number required from MPH Office for non-Public Health Graduate Students.

Instructor: Scott Wetstone, MD **wetstone@uchc.edu**
Time: 5:30 – 8:30 PM
Location: Academic Rotunda – UConn Health, Farmington
Rowe 318 – UConn, Storrs

PUBH 5497-F02 Chronic Disease Prevention & Control 3 credits
(13236) 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 **swede@uchc.edu**
Time: 4:30-7:30 PM
Location: Public Health Sciences Large Conference Room, 195 Farmington Ave.

THURSDAYS, 1/23/25–5/8/25

PUBH 5431-F01 Public Health Research Methods 3 credits
(12632) UCONN Health Farmington

PUBH 5431-001 Public Health Research Methods 3 credits
(3599) UCONN Storrs

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 scunningham@uchc.edu
Time: 5:30 – 8:30 PM
Location: U3071 A/B, 195 Farmington Ave.
Rowe 320 – UConn, Storrs

PUBH 5477-F01 Food, Health and Politics 3 credits
(13239) UCONN Health Farmington

Comprehensive overview of the factors that influence how our food is grown; what foods are available, affordable, and advertised; and the ensuing public health implications. Examines the history of food production in America, the development of public and private food assistance programs, the fast food movement, and food marketing. Students will explore the political, social, economic and environmental factors that impact food availability and consumption, and discuss the implications of these factors on health outcomes, such as obesity, hunger, chronic diseases, and health disparities.

Instructor: Angela Bermudez-Millan, PhD, MPH bermudez-millan@uchc.edu
Time: 2:00 – 5:00 PM
Location: U3071 A/B, 195 Farmington Ave.

PUBH 5497-F07 Climate Change and Public Health 3 credits
(13241) UCONN Health Farmington

Climate change is one of the greatest threats to public health, affecting every nation and individual. Human health is influenced by weather, air and water quality, and food security, which are all sensitive to changes in climate. This course will explore the effects of climate change on food systems, water, air, and disease, through the lens of public health. After completing this course, students will be able to: describe the science of climate change and how climate is predicted to change in the future; explain the connection between climate and public health, ranging from temperature-related mortality, exposure to extreme weather events and wildfires, food and water shortages, waterborne infections, and insect-borne diseases; discuss inequities in the risks associated with climate change; evaluate research related to climate change and health; and discuss adaptation and mitigation strategies to reduce adverse health impacts due to climate change.

Instructor: Misti Levy Zamora, mzamora@uchc.edu
Time: 5:30 – 8:30 PM
Location: Public Health Sciences Large Conference Room, 195 Farmington Ave.

THURSDAYS, 1/23/25–5/8/25 (cont.)

**PUBH 5497-F08 Data Visualization in Public Health
(12637) UCONN Health Farmington**

3 credits

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

mohamedabouh@uchc.edu

Time: 2:00-5:00 PM

Location: Hybrid Limited/TBD

FRIIDAYS, 1/24/25–5/9/25

PUBH 5497-F03 Leadership Education in Neurodevelopmental and related Disabilities (12630) (LEND) Seminar II UCONN Health Farmington 3 credits

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
Location: UCEDD Conference Room, Suite 173, The Exchange, 270 Farmington Ave.

PUBH 5497-F04 Public Health and Media (12635) UCONN Health Farmington 3 credits

Overview : Students taking this course will critically examine how public health has been represented in the media (e.g., literature, film, television, radio, podcasts) during the 20th and 21st centuries, and discuss how these portrayals have contributed to our societal understanding of issues such as disease transmission, injury and violence, mental health, health disparities, and social indicators of health.

Instructor: Amy Hunter **amhunter@uchc.edu**
Time: 12:00 – 3:00 PM
Location: U3071 A/B, 195 Farmington Ave.

PUBH 5497-F06 The Political Determinants of Health (13238) UCONN Health Farmington 3 credits

This seminar explores the way political processes influence population health and well-being. The course assists future/current public health practitioners in understanding various aspects of the political landscape to more effectively influence the equitable distribution of resources. Students will be challenged to identify key players and partners in the political and policy process who may be potential political allies or adversaries to population health goals. Classes will be heavily focused on class discussions. In addition, the course will include lectures and presentations from guests involved in the political process across Connecticut.

Instructor: David Gregorio, PhD **gregorio@uchc.edu**
Time: 9:00 AM – 12:00 PM
Location: U3071 A/B, 195 Farmington Ave.

VARIABLE DAYS & TIMES

PUBH 5495-F01 Independent Study in Public Health
UCONN Health Farmington

Variable 1 – 9 credits

An individual course for those wishing to pursue special topics in the public health sciences under faculty supervision. May be repeated for credit. To register, submit [UConn Health Independent Study Request Form](#) to the MPH Office, along with a brief description of your independent study project.

Instructor: Staff

Time/Instruction Mode: By arrangement

PUBH 5498-F01 Field Experience in Public Health Systems
(12623) UCONN Health Farmington

Variable credits

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
(12624) UCONN Health Farmington

Variable 3 - 6 credits

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
credits

Variable 1-9

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. To register, submit [UConn Health Independent Study Request Form](#) to the MPH Office, along with a brief description of your independent study project.

Instructor: Staff

Time/Instruction Mode: By arrangement

ONLINE COURSES

**PUBH 5502-F01 Epidemiology of Disability
(12626) Online**

3 credits

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.**

Instructor: Tara Lutz, PhD, MPH, CHES

lutz@uchc.edu

Dates/Times: By arrangement

**PUBH 5504-F01 Public Health Interventions in Disability
(12625) Online**

3 credits

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, & 5503 (waived with instructor permission). Instructor consent required.**

Instructor: Tara Lutz, PhD, MPH, CHES

lutz@uchc.edu

Dates/Times: By arrangement

RESEARCH & CONTINUOUS REGISTRATION

GRAD 5950 **Master's Thesis Research** **Variable 1 - 9 credits**
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 six 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 **0 credits**
(13888) **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 **0 credits**
(13889) **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**

GRAD 6950 **Doctoral Dissertation Research** **Variable 1 - 9 credits**
UCONN Health Farmington

Open only to doctoral students. May be repeated for credit. Associated with the research efforts of students pursuing a doctoral degree and may be used to meet the fifteen-credit doctoral research requirement. **Recommendation of student's major advisor and program permission required.**

Instructor: **Student's Major Advisor**

Time/Instruction Mode: **By arrangement**

GRAD 6998-F01 Continuous Registration (Doctoral) **0 credits**
(13890) **UCONN Health Farmington**

Open only to doctoral students. May be repeated. A non-credit course for which doctoral students must register in cases where they are not otherwise registered for coursework or dissertation preparation but want to remain active in their program.

Instructor: **Student's Major Advisor**

Time/Instruction Mode: **By arrangement**

RESEARCH & CONTINUOUS REGISTRATION (cont.)

GRAD 6999-F01 Dissertation Preparation

0 credits

(13891) UCONN Health Farmington

Open only to doctoral students. May be repeated. A non-credit course to be used by doctoral students who have reached candidacy for the doctoral degree and who are not registered for any other credit-bearing course but are actively working on their dissertations.

Instructor: Student's Major Advisor

Time/Instruction Mode: By arrangement