

Program in Applied Public Health Sciences

Spring 2024 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	Mixed Methods Research in Public Health (Restrepo-Ruiz)	PHS Large Conf Room ^b	5:30-8:30
Tuesday			
PUBH 5405-F01	Social & Behavioral Foundations of Public Health (Powell Sears)	Rotunda ^a	5:30-8:30
PUBH 5407-F01	Practicum in Public Health (Bermudez-Millan/Brown)	TBD	3:00-5:00
PUBH 5433-F01	Health Program Evaluation (Jo)	PHS Large Conf Room ^b	5:30-8:30
PUBH 5460-F01	Health and Human Rights (Chapman)	U3071 A/B ^b	5:30-8:30
PUBH 5478-F01	Epidemiology of Substance Use Disorders & Psychiatric Co-Morbidities (Wu)	U3071 A/B ^b	2:00-5:00
Wednesday			
PUBH 5202-F01	Eliminating Social Inequality and Health Disparities (Brown)	PHS Large Conf Room ^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-F01	Health Topics in Humanitarian Crisis, Disaster Preparedness and Response (Moore)	U3071 A/B ^b	5:30-8:30
PUBH 5497-F08	Data Visualization in Public Health (Mohamed-Abouh/Desiato)	Hybrid/ A1 ^a	5:30-8:30
Thursday			
PUBH 5431-F01	Public Health Research Methods, Farmington (Cunningham)	A1 ^a	5:30-8:30
PUBH 5431-001	Public Health Research Methods, Storrs (Cunningham)	Rowe 320 ^d	5:30-8:30
PUBH 5497-F04	Public Health Nutrition (Bermudez-Millan)	U3071 A/B ^b	1:30-4:30
PUBH 5497-F09	Critical Health Issues Facing the U.S. (Zitser)	U3071 A/B ^b	5:30-8:30
PUBH 6496-F01	Public Health Doctoral Seminar: Scholarship and Professional Development (Swede)	PHS Large Conf Room ^b	5:30-8:30
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
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		
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		
Online			
PUBH 5502-F01	Epidemiology of Disability (Lutz)		
PUBH 5504-F01	Public Health Interventions in Disability (Lutz)		

^a UCONN Health Academic Building

^b UCONN Health 195 Farmington Avenue

^c UCONN Health 270 Farmington Avenue (The Exchange)

^d UCONN Storrs

MONDAYS, 1/22/24 – 4/29/24

**PUBH 5404-F01 Environmental Health
(11527) 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
Time: 5:30-8:30 PM
Location: The Rotunda

mpalmeri@uchc.edu

**PUBH 5434-F01 Topics in Intermediate Biostatistics
(11537) 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
Time: 5:30 – 8:30 PM
Location: A1

gchan@uchc.edu

**PUBH 5497-F05 Mixed Methods Research in Public Health
(11544) 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
Location: Public Health Sciences Large Conference Room, 195 Farmington Ave.

restrepo@uchc.edu

TUESDAYS, 1/16/24– 4/30/24

PUBH 5405-F01 Social & Behavioral Foundations of Public Health (11528) 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
Time: 5:30 – 8:30 PM
Location: The Rotunda

PUBH 5407-F01 Practicum in Public Health (11529) 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
Angela Bermudez-Millan, PhD, MPH
Time: 3:00 – 5:00 PM
Location: TBD
stbrown@uchc.edu
bermudez-millan@uchc.edu

PUBH 5433-F01 Health Program Evaluation (13620) 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
Time: 5:30-8:30 PM
Location: Public Health Sciences Large Conference Room, 195 Farmington Ave.
jo@uchc.edu

PUBH 5460-F01 Health and Human Rights (11539) 3 credits

This course explores the many ways in which human health and well-being are related to human rights. Human rights are a field of international law that includes major treaties, treaty bodies, and adjudicatory mechanisms. This course will review the ways in which human rights instruments and jurisprudence have addressed health and issues related to health. Students will also study a wide range of substantive public health issues that have a human rights dimension and consider the ways that human rights are used as advocacy tools to improve the structural environment that shapes the public's health.

Instructor: Audrey Chapman, PhD, MDiv, STM
Time: 5:30-8:30 PM
Location: U3071 A/B, 195 Farmington Ave.
achapman@uchc.edu

PUBH 5478-F01 Epidemiology of Substance Use Disorders & Psychiatric Co-Morbidities (13617) UConn Health Farmington 3 credits

This course provides a comprehensive survey of substance use disorders and related psychiatric co-morbidities. The course will incorporate recent advances in social and psychiatric epidemiology as well as health disparities attributable to sex/gender and race/ethnicity. It will review research on the prevalence of the major substance use disorders, including alcohol, nicotine and drug dependence, and discuss what is known about the etiology, treatment and prevention of these disorders. The theme of the course will be how to critically evaluate epidemiological research and how to study the genetic, personality, social and environmental contributions to substance use disorders from an interdisciplinary perspective. Students will be expected to meet with instructor in person at least once during the semester at their convenience.

Instructor: Helen Wu, PhD
Time: 2:00 – 5:00 PM
Location: U3071 A/B, 195 Farmington Ave.
zwu@uchc.edu

WEDNESDAYS, 1/17/24– 5/1/24

PUBH 5202-F01 Eliminating Social Inequality and Health Disparities
(11542) UCONN Health Farmington

3 credits

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

stbrown@uchc.edu

Time: 5:30-8:30 pm

Location: Public Health Sciences Large Conference Room, 195 Farmington Ave.

PUBH 5409-F01 Introduction to Epidemiology & Biostatistics II
(11530) UCONN Health Farmington

3 credits

PUBH 5409-001 Introduction to Epidemiology & Biostatistics II
(11328) UCONN Storrs

3 credits

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: **The Rotunda – UConn Health, Farmington**
Rowe 318 – UConn, Storrs

PUBH 5497-F01 Health Topics in Humanitarian Crisis, Disaster Preparedness and Response
(11536) UCONN Health Farmington

3 credits

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

Location: U3071 A/B, 195 Farmington Ave.

PUBH 5497-F08 Data Visualization in Public Health
(11547) 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
Julia Desiato, MPH

mohamedabouh@uchc.edu

Time: 5:30-8:30 PM

Location: Hybrid/A1

THURSDAYS, 1/18/24–5/2/24

PUBH 5431-F01 (11540)	Public Health Research Methods UConn Health Farmington	3 credits
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PUBH 5431-001 (11327)	Public Health Research Methods UConn Storrs	3 credits
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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: A1 – UConn Health, Farmington
Rowe 320 – UConn, Storrs

PUBH 5497-F04 (11543)	Public Health Nutrition UConn Health Farmington	3 credits
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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 bermudez-millan@uchc.edu

Time: 1:30 – 4:30 PM

Location: U3071 A/B, 195 Farmington Ave.

PUBH 5497-F09 (13614)	Critical Health Issues Facing the U.S. UConn Health Farmington	3 credits
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This course will focus on major public health issues that are contributing to a stagnant, if not declining, U.S. life expectancy and quality of life, as well as an increasing U.S. health deficit with other developed/industrialized countries. It will also explore the life expectancy and morbidity disparities between different socioeconomic, geographical, racial/ethnic, and other cohorts within the U.S., including the importance and sustainability of U.S. social support programs in addressing these disparities. The goals of the course are to equip students with analytical and advocacy skills to enable them to develop and advance proposals to enhance public health. There will be lively class discussions/debates, and guest speakers to provide valuable future contacts and resources. In lieu of in-class exams, there will be a take-home quiz with a choice of questions, and students will write a paper on a major public health issue of their choice, with a presentation of their paper to the class.

Instructor: Barry Zitser, JD zit123cap@gmail.com

Time: 5:30 – 8:30 PM

Location: U3071 A/B, 195 Farmington Ave.

THURSDAYS, 1/18/24–5/2/24 (cont.)

PUBH 6496-F01 Public Health Doctoral Seminar: Scholarship & Professional Development 3 credits
(13616) UCONN Health Farmington

This seminar is a comprehensive survey course exposing pre-candidate doctoral students to a number of advanced methodological topics in public health research and practice as well as ethical conduct in research (e.g., authorship criteria) and career considerations (e.g., range of employment opportunities, grant-writing process, pedagogical theory and practices). In addition to class lectures, students will gain experience in presenting research ideas for critique by faculty and fellow students. Specifically, the term project will be a longitudinal exercise to develop a Specific Aims Page or an outline for a manuscript; both augmented with preliminary data. At the end of the semester, students will present a 15–20-minute talk on their project to the full Public Health program of students, faculty and staff. Each class session will be split between content delivered by faculty and weekly progress reports on the term projects, with slightly more time allocated for discussion of the latter. In addition to topical material presented by the Co-Instructors, guest faculty periodically will present information about their research, career paths, etc. **Instructor consent and permission number required from MPH Office.**

Instructor: Helen Swede, PhD

swede@uchc.edu

Time: 5:30-8:30 PM

Location: Public Health Sciences Large Conference Room, 195 Farmington Ave.

FRIDAYS, 1/19/24–5/3/24

**PUBH 5497-F03 Leadership Education in Neurodevelopmental and related Disabilities
(LEND) Seminar II**

3 credits

(11538) 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

Location: UCEDD Conference Room, Suite 173, The Exchange, 270 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
(11531) 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
(11532) 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
UConn Health Farmington

Variable 1-9 credits

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

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**
(13872) **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**
(13873) **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**
(13875) **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**

GRAD 6999-F01 **Dissertation Preparation** **0 credits**
(13876) **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**

ONLINE COURSES

**PUBH 5502-F01 Epidemiology of Disability
(11534) 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
(11533) 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