

Program in Applied Public Health Sciences

Spring 2021 Course Schedule

Course #	Title	Instructor	Time
Monday			
PUBH 5431-F40	Public Health Research Methods	Gordon	5:30-8:30
PUBH 5434-F40	Topics in Intermediate Biostatistics	Chan	5:30-8:30
PUBH 5497-F41	Global Environmental Health and Public Policy	Ahmed	5:30-8:30
PUBH 5497-F43	Health Psychology in Public Health	Shaw	5:30-8:30
Tuesday			
PUBH 5405-F40	Social & Behavioral Foundations of Public Health	O'Grady	5:30-8:30
PUBH 5419-F40	Public Health Agencies	Mohammad	6:00-9:00
PUBH 5460-F40	Health and Human Rights	Chapman	5:30-8:30
PUBH 5497-F42	Policy Development & Advocacy	Mancini/Passaro	6:00-9:00
PUBH 5497-F46	Continuation of Practicum Activities	Bermudez-Millan/Brown	3:00-5:00
Wednesday			
PUBH 5404-F40	Environmental Health, Farmington	Palmeri	6:00-9:00
PUBH 5404-001	Environmental Health, Storrs	Palmeri	6:00-9:00
PUBH 5468-F40	Occupational and Environmental Epidemiology	Cavallari	11:00-1:00
PUBH 5497-F44	Public Health through a Sustainable Environment	Zitser	5:30-8:30
PUBH 5497-F48	Aging, Public Health, and Health Care	Robison/Fortinsky	2:00-5:00
Thursday			
PUBH 5409-F40	Introduction to Epidemiology & Biostatistics II, Farmington	Wetstone	6:00-9:00
PUBH 5409-001	Introduction to Epidemiology & Biostatistics II, Storrs	Wetstone	6:00-9:00
PUBH 5453-F40	Chronic Disease Control	Swede	2:00-5:00
PUBH 5497-F40	Assessing Policy Responses to the COVID-19 Pandemic	Chapman	5:30-8:30
PUBH 5497-F47	Multivariate Analysis of Population Health Data	Rhee	5:30-8:30
Friday			
PUBH 5497-F45	Leadership Education in Neurodevelopmental and Related Disabilities (LEND) Seminar II	Bruder	8:30-4:30
Variable Days			
PUBH 5407-F40	Practicum in Public Health	Brown	
PUBH 5495-F40	Independent Study in Public Health	Brown	
PUBH 5498-F40	Field Experience in Public Health System	Gregorio	
PUBH 5499-F40	Capstone Project in Public Health	Gregorio	
PUBH 6495-F40	Independent Study of Special Topics in Advanced Public Health Sciences		
Research and Continuous Registration			
GRAD 5950	Master's Thesis Research		
GRAD 5998-F40	Special Readings		
GRAD 5999-F40	Thesis Research		
Online			
PUBH 5479-F40	Alcohol and Drug Policy Research	Babor	
PUBH 5481-F40	Research Careers & the Responsible Conduct of Research	Babor	
PUBH 5501-F40	Foundations of Public Health and Disability	Griffen	
PUBH 5502-F40	Epidemiology of Disability	Lutz	
PUBH 5504-F40	Public Health Interventions in Disability	Lutz	

MONDAYS, 1/25/21 – 5/3/21

PUBH 5431-F40 Public Health Research Methods **3 credits**
(16232) UCONN Health Farmington

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.**

Instructor: Sharon Gordon **sgordon@uchc.edu**

Time: 5:30 – 8:30 PM

Instruction Mode: Distance Learning

PUBH 5434-F40 Topics in Intermediate Biostatistics **3 credits**
(1109) 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

Instruction Mode: Distance Learning

PUBH 5497 F41 Global Environmental Health and Public Policy **3 credits**
(1106) UCONN Health Farmington

This course is a comprehensive review of global environmental health seen from a perspective of newly acquired understanding in the basic and applied sciences. It shall study both communicable and non-communicable disease patterns by conducting a re-examination of current guidelines, policies and preventative measures adopted in the field of public health. The potential impact of climate change and global warming will be given particular emphasis, along with recognizing the increased probability of widespread infectious diseases, such as the current coronavirus flu pandemic, occurring more frequently in a globalized economy. The course will also survey the strengths and limitations of current risk assessment and risk management approaches in safeguarding human health from new classes of infectious diseases, toxic substances and chemical agents.

Instructor: A. Karim Ahmed, PhD **ahmed@ncseglobal.org**

Time: 5:30 – 8:30 PM

Instruction Mode: Distance Learning

PUBH 5497-F43 Health Psychology in Public Health **3 credits**
(1108) UCONN Health Farmington

Nearly all public health programs involve some aspect of psychology, whether related to health behavior change, health beliefs, levels of engagement and participation, or methods of program evaluation. In this course, students will explore the field of health psychology as it pertains to public health practice. The goals of the course are to review psychological determinants of physical health and health behavior, learn about psychological intervention strategies, and apply these to problems in population health and health policy. This will equip students with the knowledge and analytic skills to integrate psychological thinking into higher-level programs and policies. There will be lively class discussions and guest speakers to provide valuable insights and expertise. Assignments include a take-home quiz with a choice of questions and a final paper and in-class presentation focusing on a major public health topic of the student's choice.

Instructor: William Shaw, PhD **wshaw@uchc.edu**

Time: 5:30 – 8:30 PM

Instruction Mode: Distance Learning

TUESDAYS, 1/19/21 – 5/4/21

PUBH 5405-F40 Social & Behavioral Foundations of Public Health 3 credits
(1092) UCONN Health Farmington

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.**

Instructor: Megan O'Grady, PhD ogrady@uchc.edu

Time: 5:30 – 8:30 PM

Instruction Mode: Distance Learning

PUBH 5419-F40 Public Health Agencies 3 credits
(16230) UCONN Health Farmington

This course takes organization and management theory into practice. The focus is on governmental and non-profit agency management and administration. Emphasis is on developing and defending budgets, personnel management, working within the political context, with the community and with multiple agencies. Students will learn the role of public health agencies in response to various public health emergencies and pandemics. The focus will be on faculty and student interaction to enrich “practice-academic settings” and applying public health informatics (effective use of data, information, and knowledge) to improve the health of individuals and communities. Class discussion will be based on implementation of public health methods of analysis and approach to emerging public health challenges.

Instructor: Amir Mohammad, MBBS, MPH, FACPM amohammad@orange-ct.gov

Time: 6:00 – 9:00 PM

Instruction Mode: Distance Learning

PUBH 5460-F40 Health and Human Rights 3 credits
(1113)

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 achapman@uchc.edu

Time: 5:30-8:30 PM

Instruction Mode: Distance Learning

PUBH 5497-F42 Policy Development & Advocacy 3 credits
(1107)

This course provides an introduction to the public health function of policy development. It prepares future public health advocates with substantive knowledge on how policy is crafted and provides practical skills on engaging policymakers, the press, and advocacy organizations to support public health initiatives. The course combines policy development, real-life case studies, lectures by Connecticut legislators and staff as well as community activists, and a series of classroom discussions and exercises.

Instructor: Sally Mancini, MPH sally.mancini@uconn.edu
Cara Passaro, JD, MPH

Time: 6:00 – 9:00 PM

Instruction Mode: Distance Learning

PUBH 5497-F46 Continuation of Practicum Activities 3 credits
(1115) UCONN Health Farmington

This course is limited to students currently enrolled in the first term (Fall 2020) of the 2-semester Practicum. 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. **Permission number required from MPH Office.**

Instructor: Angela Bermudez-Millan, PhD, MPH bermudez-millan@uchc.edu
Stacey Brown, PhD stbrown@uchc.edu

Time: 3:00 – 5:00 PM

Instruction Mode: Distance Learning

WEDNESDAYS, 1/20/21– 5/5/21

PUBH 5404-F40	Environmental Health	3 credits
(1091)	UCONN Health Farmington	
PUBH 5404-001	Environmental Health	3 credits
(9040)	UCONN Storrs	

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

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.**

Instructor: **Marco Palmeri, MPH, RS** **mpalmeri@uchc.edu**

Time: **6:00 - 9:00 PM**

Instruction Mode: **Distance Learning**

PUBH 5468-F40	Occupational and Environmental Epidemiology	3 credits
(16514)	UCONN Health Farmington	

Topics include the history of occupational epidemiology, causal models, occupational exposure classification systems, environmental epidemiology, cohort mortality studies, cross-sectional surveys, case-control studies, ecologic studies, and statistical and methodological issues in research design and their solutions.

Instructor: **Jennifer Cavallari, ScD, CIH** **cavallari@uchc.edu**

Time: **11:00 AM – 1:00 PM**

Instruction Mode: **Distance Learning**

PUBH 5497-F44	Public Health through a Sustainable Environment	3 credits
(1114)	UCONN Health Farmington	

This course will focus on three areas: 1) the large impact that energy, transportation and land use has on mortality, morbidity, family budgets, and quality of life; 2) how past and current energy, transportation, and land use policies have resulted in disparate and discriminatory, adverse impacts on certain U.S. minority groups and low income persons and families; and 3) future strategies for U.S. energy, transportation, and land use policies that will improve public health and economic development, and why these strategies should be pursued even in the absence of the compelling issue of climate change. The goals of the course are to equip students with: a) analytical skills to determine and appreciate how energy, transportation, and land use have important impacts on public health and the economy; and b) advocacy skills to promote energy, transportation, and land use proposals that will improve public health and economic development.

Instructor: **Barry Zitser, JD** **zit123cap@gmail.com**

Time: **5:30 – 8:30 PM**

Instruction Mode: **Distance Learning**

PUBH 5497-F48	Aging, Public Health and Health Care	3 credits
(16237)	UCONN Health Farmington	

This course examines the demographics of aging; organization, financing and delivery of health services for older adults; formal and informal caregiving; retirement and housing policy; and end-of-life care. Policy and ethical aspects of these topics will be explored. The course will be research-oriented, integrating empirical evidence to illustrate central concepts. Familiarity with basic principles of research design, including ability to critically read and synthesize scientific literature is important. For Spring semester 2021, this course also will examine impacts of COVID-19 on the older population living in the community, assisted living facilities, and nursing homes.

Instructors: **Julie Robison, PhD** **jrobison@uchc.edu**
Richard Fortinsky, PhD **fortinsky@uchc.edu**

Time: **2:00 – 5:00 PM**

Instruction Mode: **Distance Learnin**

THURSDAYS, 1/21/21–5/6/21

PUBH 5409-F40 (1094)	Introduction to Epidemiology & Biostatistics II UCONN Health Farmington	3 credits
PUBH 5409-001 (8404)	Introduction to Epidemiology & Biostatistics II 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. **Permission number required from MPH Office.**

Instructor: Scott Wetstone, MD

wetstone@uchc.edu

Time: 6:00-9:00 PM

Instruction Mode: Distance Learning

PUBH 5453-F40 Chronic Disease Control **3 credits**

(16233) UCONN Health Farmington

Chronic diseases are examined from clinical, epidemiologic and evidence-based risk reduction perspectives. Diseases examined include selected cancers, Type II diabetes, cardiovascular and cerebrovascular diseases, chronic obstructive pulmonary disease, obesity, sickle cell disease/trait and conditions tested in state newborn screening programs. Also covered: historical and modern roles of public health agencies in chronic disease control and ethnic/racial disparities in incidence and outcomes.

Instructor: Helen Swede, PhD

swede@uchc.edu

Time: 2:00-5:00 PM

Instruction Mode: Distance Learning

PUBH 5497-F40 Assessing Policy Responses to the COVID-19 Pandemic 3 credits

(1105) UCONN Health Farmington

The COVID-19 pandemic is the most serious global public health crisis in the past century. This interdisciplinary course will investigate and evaluate the role of the World Health Organization and a range of different types of governmental responses to the pandemic. Countries covered will include China, South Korea, Italy, Germany, the UK, the US, India, and Sweden. The goal will be to determine what types of policies have been the most effective in lowering rates of mortality and morbidity, sustaining the public's cooperation over time, and providing economic support while adhering to ethical and public health norms. The course will be taught as a seminar. The first part of the course will cover issues relating to the development of the pandemic, the role of WHO, and the challenges of applying potential governmental building blocks of response such as mass testing, contact tracing, masking, social distancing, lockdowns, and quarantines. The second part of the course will be devoted to assessments of the responses of particular countries.

Instructor: **Audrey Chapman, PhD, MDiv, STM**

achapman@uchc.edu

Time: 5:30-8:30 PM

Instruction Mode: Distance Learning

PUBH 5497-F47 Multivariate Analysis of Population Health Data 3 credits

(16236) UCONN Health Farmington

Students interested in producing peer-reviewed research on topics of social psychiatry, gerontology, or healthcare disparities with/without data in hand will work collegially with the instructor to articulate research questions, hypotheses and analytic strategies for the purpose of producing generalizable research findings for publication.

Instructor: Greg Rhee, PhD, MSW

rhee@uchc.edu

Time: 5:30-8:30 PM

Instruction Mode: Hybrid **In-Person Location:** TBD

In-Person Location: TBD

FRIDAYS, 1/22/21–5/7/21

PUBH 5497-F45 Leadership Education in Neurodevelopmental and related Disabilities (LEND) Seminar II **3 credits**

(1111) 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: **Mary Beth Bruder, PhD** **bruder@uchc.edu**

Time: **8:30-4:30 PM**

Instruction Mode: **Distance Learning**

VARIABLE DAYS & TIMES

**PUBH 5407-F40 Practicum in Public Health
(1093) 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. **Permission number required from MPH Office.**

Instructor: Stacey Brown, PhD **Email:** stbrown@uchc.edu

Dates/Time: By arrangement

Instruction Mode: Service Learning

PUBH 5495-F40 **Independent Study in Public Health** **Variable 1 – 9 credits**
(1104) **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-F40 Field Experience in Public Health Systems
(1096) 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-F40 Capstone Project in Public Health
(1097) 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

Instructor: David Gregorio, PhD,
Time/Instruction Mode: By arrangement

PUBH 6495-F40 Independent Study of Special Topics in Advanced Public Health Sciences Variable 1-9 credits (16234)

(16234) A doctoral-level independent study course for Ph.D. students who wish to pursue special topics in advanced public health sciences under faculty supervision.

sciences under faculty supervision.
Instructor: **Staff**

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 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-F40 Special Readings (1117) **UCONN Health Farmington** **0 credits**

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-F40 Thesis Research (1118) UCONN Health Farmington **0 credits**

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

PUBH 5479-F40 Alcohol and Drug Policy Research **3 credits**
(1102) **Online**

Policymakers and government officials are increasingly seeking answers to practical questions about the impact of policies and programs on the health of the population, as well as on crime rates, traffic accidents and harm to others. Discussion of the measures, methods and research designs used to investigate alcohol and drug policy issues, including prevention science.

Instructor: Thomas Babor, PhD, MPH **babor@uchc.edu**
Dates/Times: By arrangement

PUBH 5481-F40 Research Careers & the Responsible Conduct of Research in Alcohol & Addiction Science **3 credits**
(1103) **Online**

This course is designed to achieve three objectives: 1) Teach students about the responsible conduct of research and ethical research practices; 2) Provide guidance on how to develop a sound research proposal by guiding students through the public and private grant writing process; and 3) Review career options and employment opportunities in addiction science. **Permission number required from instructor.**

Instructor: Thomas Babor, PhD, MPH **babor@uchc.edu**
Dates/Times: By arrangement

PUBH 5501-F40 Foundations of Public Health and Disability **3 credits**
(1100) **Online**

Introductory survey of the ways in which disability, both developmental and acquired, is affected by, and interacts with, public health policy and practice. Students will have a foundational understanding of a comprehensive set of issues of both acquired and developmental disability as related to the core elements of public health as framed by the 10 Essential Public Health Services. **Permission number required from instructor.**

Instructor: Adriane Griffen, DrPH, MPH, MCHES **griffen@uchc.edu**
Dates/Times: By arrangement

PUBH 5502-F40 Epidemiology of Disability **3 credits**
(1101) **Online**

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: Tara Lutz, PhD, MPH, CHES **lutz@uchc.edu**
Dates/Times: By arrangement

PUBH 5504-F40 Public Health Interventions in Disability **3 credits**
(1098) **Online**

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: Tara Lutz, PhD, MPH, CHES **lutz@uchc.edu**
Dates/Times: By arrangement