PUBLIC HEALTH (PUBH)

PUBH 2100 - Introduction to Global Health
3 Credits
This course introduces students to the concepts of public health by tracing its historical evolution. By using classic public problems and their resolutions, the philosophy, values and mission of public health are examined. The trends in global health such as epidemic responses, disease-specific programs, funding mechanisms, and capacity-building are discussed. (Offered Fall and Spring)
Attributes: Global Citizenship (CAS), Global Local Justice-Global, International Studies, International Studies-Health, Service Learning, Urban Poverty - Health Care

PUBH 2300 - Contemporary Issues in Global Health
3 Credits
This course explores biological, environmental, social, and political factors impacting the health of populations across the globe. Topics covered will change depending on current events, but will likely include: environmental degradation, climate change, biosecurity, health education in diverse populations, and chronic and infectious diseases. (Offered Fall and Spring)
Prerequisite(s): PUBH 2100
Attributes: Global Local Justice-Global, International Studies, International Studies-Health, Public Health Minor Elective, Service Learning, Urban Poverty - Health Care, Urban Poverty - Immigration

PUBH 2700 - Public Health Issues in Emergency Management
3 Credits
This course will review the role and capacity of public health and health care systems in disaster preparedness and response to all disasters. Students will examine the growing threat and public health consequences of disasters. The course will cover theory and practice in emergency management and consider implications for policy makers. (Offered in Fall)
Attributes: Public Health Major Elective, Public Health Minor Elective

PUBH 2800 - Applied Health Communication & Design
3 Credits
Recognizing the importance of texts, this course will cover oral and visual elements of effective communication: e.g. oral/audio qualities, graphics, data visualization, layout, and other aspects of communication that contribute to conveyance of information and enhanced understanding. The course will consider what communication scholarship tells us about effects of different visual and audio formats, media and channels, and how they shape understanding. The class will invite students to take a critical stance to consider how digital and new media shape communication and information exchange between individuals, and in organizations, communities and society. The class seeks to build practical skills in digital design, communication and marketing for social impact.
Attributes: Public Health Major Elective, Public Health Minor Elective, UUC:Oral & Visual Comm

PUBH 2930 - Special Topics
3 Credits (Repeatable for credit)

PUBH 2980 - Independent Study
1 or 3 Credits (Repeatable for credit)

PUBH 3100 - Public Health & Social Justice
3 Credits
Health has special moral importance for the well being of individuals and populations. We will discuss ethical issues associated with economic measures, resource allocation, priority setting, and human rights. The course is designed to evoke thoughts on personal and institutional responses to the questions of social justice and health.
Prerequisite(s): Minimum Earned Credits of 45
Attributes: IPE - Ethics, Public Health Minor Elective, UUC:Dignity, Ethics & Just Soc, Diversity in the US (A&S)

PUBH 3200 - Evidence Based Public Health
3 Credits
This course introduces students to approaches for developing and selecting public health interventions and evaluating their efficacy from a scientific perspective. With examples taken from health systems around the world, students learn how to access and interpret data systems and analytical methods and apply public health evidence to public policy making. This course will address the challenges of translating and disseminating research discoveries into communities. (Offered Fall and Spring)
Prerequisite(s): PUBH 2100

PUBH 3500 - Art & Public Health: Creating Relationships for Social Change
3 Credits
The course will provide students with the opportunity to engage with practitioners of art and public health in discussions of current practices at the intersection of these two fields. This dialogue will provide students with the opportunity to further their understanding of key factors that influence this work. The students will actively engage in collaborative exploration of these issues. To do so the course will provide specific skills for mindfulness, listening, communication, and difficult conversations/conflict management.
Attributes: Public Health Major Elective, Public Health Minor Elective

PUBH 3910 - Internship
1-3 Credits (Repeatable up to 6 credits)
Prerequisite(s): CORE 1000; CORE 1500*

* Concurrent enrollment allowed.
Attributes: UUC:Reflection-in-Action

PUBH 3930 - Special Topics
1-3 Credits (Repeatable for credit)
Attributes: Public Health Major Elective, Public Health Minor Elective

PUBH 3980 - Independent Study
1 or 3 Credits (Repeatable for credit)

PUBH 4000 - Politics and Public Health Advocacy
3 Credits
Public health is inherently a political discipline. Practitioners require an understanding of the way public opinion and legislation on matters of public health are shaped. This course exposes students to the basics of public health policy, coalition-building, written and verbal advocacy tools, and includes several real-world experiences of advocacy work. (Offered Fall and Spring)
Prerequisite(s): Minimum Earned Credits of 60
Attributes: BHS-Professional, Global Local Justice-Elective, Public Health Minor Elective, Urban Poverty - Health Care

PUBH 4100 - Biological Basis of Public Health
3 Credits
A basic understanding of public health biology is the cornerstone upon which rest the five core disciplines. A unique characteristic that differentiates public health from other social movements or social action is its grounding in science. The biological aspects of humans, microorganisms, and other factors such as physical environment will provide insight into this important relationship. (Offered Fall and Spring)
Prerequisite(s): Minimum Earned Credits of 60
Attributes: Health Management Major Electi, Public Health Minor Elective, UUC:Natural & Applied Science

PUBH 4930 - Special Topics
3 Credits (Repeatable for credit)
Attributes: Public Health Major Elective, Public Health Minor Elective

PUBH 4960 - Capstone in Public Health
3 Credits
This course enables students to demonstrate achievement of the Bachelor of Science in Public Health program learning outcomes through individual and group projects. Students will also synthesize public health experiences with other undergraduate coursework and experiences and engage in professional development. (Offered Spring)
Prerequisite(s): HMP 1300, PUBH 2300, PUBH 3200, PUBH 4000*, PUBH 4100*, BST 3100*, EPI 4000*, and PUBH 3100; CORE 1900; CORE 1500; CORE 1200*; CORE 2500*; CORE 1000

* Concurrent enrollment allowed.
Restrictions:
Enrollment is limited to students with a major in Public Health.

Attributes: Restricted to Majors, UUC:Self in the World

PUBH 4970 - Advanced Independent Research in Public Health
3-6 Credits (Repeatable for credit)
The course provides students with an opportunity to work closely with faculty on research in public health.

PUBH 4980 - Advanced Independent Study in Public Health
1-3 Credits (Repeatable for credit)

PUBH 5010 - Mission and Practice of Global Public Health
2 or 3 Credits
This course introduces students to the context of public health practice, including its legal basis, history, mission, the core functions of public health, and institutional structure of public health practice. Theoretical and practical perspectives are presented to illustrate the workings of public health at local, state, national, and global levels. Cross-listed with SWRK 5010.

PUBH 5020 - Ethical Issues in Public Health
3 Credits
Through readings, lectures, discussions, and case studies, students develop: (1) knowledge of the basic ethical concepts operative in medical and public health ethics; (2) understanding of current ethical challenges facing those engaged in health promotion, disease prevention, and epidemiologic research; and (3) the ability to articulate ethical challenges and to make critical and informed ethical decisions. (Offered annually.)

PUBH 5030 - Methodological Approaches to Understanding Population Health
3 Credits
This course explores the determinants of a population's health focusing on the analytic methods used to help identify, understand, and address inequities in health at the organizational, community, and societal levels. Emphasis will be placed on understanding and selecting appropriate quantitative and qualitative data collection methods for a given public health context while considering study design, sampling, causality, and threats to validity. Students will learn to interpret results of data analysis and translate this information to practice through reading the literature and considering how evidence is used to inform health policy, address population health challenges, and communicate with diverse audiences.
Attributes: Grad Pol Sci Skills

PUBH 5040 - Generating Evidence from Public Health Data
3 Credits
The course introduces students to the critical importance of evidence in advancing public health knowledge, and the role of qualitative and quantitative analytic methods in describing and comparing health determinants and outcomes in a variety of public health contexts. The course has three primary focus areas: data collection, data analysis, and interpretation and communication of results. Course topics include study design and sampling, questionnaire development, data visualization, and statistical inference and modeling. Students will use software to analyze data and will learn how to appropriately report on findings both in writing and orally.
Attributes: BME Graduate Elective, Social Work PhD Specilization

PUBH 5050 - Health Care Across the Life Course: From Policy to Practice
3 Credits
This course provides an overview of and orientation to the US health care and public health delivery systems with a specific focus on access, delivery and utilization across the life course. Topics include the delivery, financing, regulation, and administration of health care and public health services for diverse health care organizational structures. The intersection of population health, public health, health policy, and advocacy will be discussed in relation to health services delivery.
Attributes: Gero Post-Bac Contextual, Social Work PhD Specilization

PUBH 5060 - Environmental and Biological Determinants of Health
3 Credits
This course addresses the interaction of the physical, biological, and social environments of individuals in which they work and live. It presents a broad survey of the major environmental issues facing contemporary society in both developed and developing countries. The course combines an overall ecological perspective with specific elements related to personal and community health, emphasizing the interrelatedness of the two and conveying an awareness of how current environmental issues directly affect our lives.
Attributes: Gero Post-Bac Contextual

PUBH 5070 - Translating Evidence and Theory for Community Practice
3 Credits
Assessment, planning, implementing and evaluating health promotion and health education programs are key skills to master in order to function effectively as a public health professional. Assessing community needs helps determine appropriate approaches for addressing needs. Using evidence and theory enhances the likelihood of program effectiveness. Evaluating programs is critical in order to ensure they are maximally effective and efficacious and able to be sustained over time for lasting improvements in health. This course provides an overview of these core public health competencies to prepare students to function effectively in public health practice.

PUBH 5110 - Managerial Aspects of Public Health Practice
3 Credits
This course presents concepts and methods of management tools useful for directing a public health agency. Topics concerning organizational design, finance and budgeting, human resources management, public relations, quality improvement, and planning are presented with examples primarily focused on state and local public health practice.
Prerequisite(s): PUBH 5010

PUBH 5500 - Place and Health
3 Credits
This course focuses on providing information and working knowledge to public health officers, healthcare professionals, and researchers. It incorporates the basic understanding and application of GIS to analyzing and addressing public health issues. It is intended for graduate level students and will provide information and experience to understand the basic concepts, language, and methodologies of GIS as it relates to the public health arena. This course will provide a platform of knowledge and experience from which informed decisions concerning GIS, public health studies, and designs can be made. This is a culminating experience in public health and GIS training.
Attributes: MPH-Behavior Sci & Health Equi, MPH-Biosecurity & Disaster Prp, MPH-Epidemiology, MPH-Global Health, MPH-Health Management & Policy, MPH-Maternal & Child Health, MPH-Public Health Practice, MPH-Biostatistics

PUBH 5620 - Politics and Public Health Advocacy
3 Credits
Public health is inherently a political discipline. Practitioners require an understanding of the way public opinion and legislation on matters of public health are shaped. This course exposes students to the basics of public health policy, coalition-building, written and verbal advocacy tools, and includes several real-world experiences of advocacy work.

PUBH 5810 - Practice Experience in Public Health
1 Credit
This course provides supervised experience in application of public health techniques through work in a public health agency or other health care organization.

PUBH 5915 - Continued Training in Public Health
1-3 Credits (Repeatable for credit)
Public Health Internship.
Prerequisite(s): PUBH 5910 with a grade of C or higher

PUBH 5930 - Special Topics
3 Credits (Repeatable for credit)

PUBH 5960 - Capstone in Public Health Practice
3 Credits
This culminating experience requires students to apply the knowledge and skills they have acquired across the MPH curriculum to a situation approximating some aspect of professional practice. Each student will prepare a major paper focused on a program, service, or policy related to a significant public health problem or issue.

PUBH 5970 - Research Topics in Public Health
1-3 Credits (Repeatable for credit)
This course provides direct research experience in public health. Content is developed jointly between the student(s) and a faculty mentor.

PUBH 5980 - Graduate Independent Study in Public Health
1-3 Credits (Repeatable for credit)
This course provides specialized study in public health to enhance skills in literature review and problem solving. Content is developed jointly between the student(s) and a faculty mentor.

PUBH 5985 - Graduate Independent Study in Public Health
1-3 Credits (Repeatable for credit)
This course provides an independent study. Content is developed jointly between the student(s) and a faculty mentor.

PUBH 5990 - Research Project
0-2 Credits (Repeatable for credit)
This course is an independent directed research project that culminates the Master of Science in Public Health. Under the guidance of the academic advisor and other qualified mentor(s), each student designs and implements a research project commensurate with their professional training and interests, using the skills developed in the Masters of Science in Public Health curriculum.