PUBLIC HEALTH (PUBH)

PUBH 2100 - Introduction to Global Health
Credit(s): 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)

PUBH 2300 - Contemporary Issues in Global Health
Credit(s): 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

PUBH 2700 - Public Health Issues in Emergency Management
Credit(s): 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)

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

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

PUBH 3200 - Evidence Based Public Health
Credit(s): 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 3910 - Internship
Credit(s): 1-3 Credits (Repeatable up to 6 credits)

PUBH 3930 - Special Topics
Credit(s): 1-3 Credits (Repeatable for credit)

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

PUBH 4000 - Politics and Public Health Advocacy
Credit(s): 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: Global Local Justice-Elective, Urban Poverty - Health Care

PUBH 4100 - Biological Basis of Public Health
Credit(s): 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

PUBH 4930 - Special Topics
Credit(s): 3 Credits (Repeatable for credit)

PUBH 4960 - Capstone in Public Health
Credit(s): 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 Fall and Spring)
Prerequisite(s): HMP 1300, PUBH 2300, PUBH 3200, PUBH 4000*, PUBH 4100*, BST 3100*, EPI 4000*, and HCE 3100*
* Concurrent enrollment allowed.

Restrictions:
Enrollment is limited to students with a major in Public Health.

PUBH 4970 - Directed Research in Public Health
Credit(s): 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 - Directed Readings in Public Health
Credit(s): 1-3 Credits (Repeatable for credit)

PUBH 5010 - Mission and Practice of Global Public Health
Credit(s): 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.
PUBH 5030 - Methodological Approaches to Understanding Population Health
Credit(s): 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.

PUBH 5040 - Generating Evidence from Public Health Data
Credit(s): 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.

PUBH 5050 - Health Care Across the Life Course: From Policy to Practice
Credit(s): 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.

PUBH 5060 - Environmental and Biological Determinants of Health
Credit(s): 2 or 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.

PUBH 5070 - Translating Evidence and Theory for Community Practice
Credit(s): 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
Credit(s): 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 5600 - GIS and Public Health
Credit(s): 3 Credits
This is an introductory course in Geographic Information Systems (GIS)
and its application in the Public Health arena. Historically, the public
health system has relied on three components to accomplish its vital role
in the community of mankind. These three components are comprised of
public health workforce, the structure that supports and maintains these
dedicated workers and the information and communication systems used
by these organizations in collecting and disseminating accurate data for
the decision-makers and the public. This course will explore portions of
the last component of this mix. It will delve into the basic structure of
gisographic information systems (GIS), define GIS as a technology -- a
computer-based system for integrating and analyzing geographic data --
and explore the concept that geographic patterns are inherent in data and
relationships between features.

PUBH 5620 - Politics and Public Health Advocacy
Credit(s): 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 5900 - Public Health Rounds
Credit(s): 0 Credits (Repeatable for credit)
The purpose of this course is to promote student's development of
professional skills and knowledge necessary for successful careers, and
to support students prior to and during their internship experiences. The
sessions will provide information and skills for choosing an appropriate
practice experience, exploring careers in public health, and preparing for
job searches and placement.

PUBH 5910 - Practice Experience in Public Health
Credit(s): 3 Credits (Repeatable for 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 5930 - Special Topics
Credit(s): 1-3 Credits (Repeatable for credit)

PUBH 5950 - Special Study for Examinations
Credit(s): 0 Credits (Repeatable for credit)
Registration is required for Master of Public Health students during the semester of their oral comprehensive examinations.
Prerequisite(s): PUBH 5010; PUBH 5030; (PUBH 5040 or BST 5020);
(PUBH 5050 or HMP 5000); PUBH 5060; (PUBH 5070 or BSH 5000);
HCE 5020
* Concurrent enrollment allowed.
PUBH 5960 - Capstone in Public Health Practice  
Credit(s): 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 Practice  
Credit(s): 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 Reading in Public Health Practice  
Credit(s): 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 5990 - Research Project  
Credit(s): 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.