PUBLIC HEALTH STUDIES (PUBH)

PUBH 500 Foundations of Public Health
This course will provide a topical overview of the inter-disciplinary field of public health and provides grounding in the public health paradigm. Through a series of lectures and recitation sessions, students will learn about the history of public health and the core public health sciences including behavioral and social sciences, biostatistics, epidemiology, environmental health, and policy and management. Other topics include ethics in public health, context analyses (specifically sociographic mapping and urban health), community participation in research, public health promotion, and the prevention of chronic and infectious diseases.
Course usually offered in fall term
Also Offered As: NURS 570
Activity: Lecture
1.0 Course Unit

PUBH 501 Introduction to Biostatistics
Introduction to Biostatistics This course is designed to provide a broad overview of biostatistics methods as well as applications commonly used for public health research. Topics covered include measurement and categorizing variables, use and misuse of descriptive statistics, testing hypotheses, and applying commonly used statistical tests. An emphasis will be placed on the practical application of data to address public health issues, rather than theoretical and mathematical development. Students will learn how to choose and apply statistical tools to data sources, when and how statistical tools can be used to analyze data, and how to interpret others' quantitative studies. Students will gain experience using online datasets and the STATA statistical software package.
Taught by: Shofer, Hanlon
One-term course offered either term
Activity: Lecture
1.0 Course Unit

PUBH 502 Introduction to the Principles and Methods of Epidemiology
This course will provide an introduction to the principles and methods of epidemiology as a research science. The course introduces the student designs applied to human populations, including randomized trials and observational studies (cohort, case-control, cross-sectional, ecological). Homework and in-class assignments focus on building skills in locating, assessing, and synthesizing evidence from the epidemiologic literature, with an emphasis on critical thinking, causal inference, and understanding bias and confounding.
Taught by: Smith, Cannuscio
One-term course offered either term
Activity: Lecture
1.0 Course Unit

PUBH 503 Environmental and Occupational Health
This course will provide a broad introduction to the scientific basis of occupational and environmental health. Content will address issues in the ambient, occupational and global environments as well as the tools, concepts and methods used in environmental health.
Taught by: Howarth, Pepino, Klinger Kutcher
Course usually offered in fall term
Activity: Lecture
1.0 Course Unit

PUBH 504 Public Health Theories & Frameworks
This course provides students with a solid foundation in behavioral and social science theory, research, and interventions as they pertain to public health. Content will provide exposure to a broad range of theories, including the theoretical foundations of social science applications for help-seeking, gender, race, ethnicity and social class. These theories will be discussed using examples of their applications to numerous public health problems including HIV/AIDS, violence, cancer, cardiovascular diseases, obesity, and diabetes.
Taught by: Ruggieri, Fleisher
One-term course offered either term
Activity: Lecture
1.0 Course Unit

PUBH 505 Public Health Policy and Administration
This course is an introduction to health policy and management. It examines both the historical and current state of health policy in America and integrates these concepts within the context of public health practice. We will examine key concepts in understanding US health care organization, financing and delivery, our current political and economic debate on health care reform, examining the role and management issues of public health departments, and case studies in public health policy and management.
Taught by: Noonan, Klusaritz
Course usually offered in fall term
Activity: Lecture
1.0 Course Unit

PUBH 506 Methods for Public Health Practice
This is a course designed around modules whose objective is to provide students with greater familiarity in a range of methods essential to public health practice. The course will be framed around an in-depth capacity and needs assessment and community public health planning in Philadelphia. Topics covered will include data collection and evaluation, both quantitative and qualitative, uses of informatics in public health, analysis of vital statistics, working with communities, methods for developing and facilitating solutions to public health problems, including concepts of advocacy and policy formation and development of interventions. The course demonstrates how core public health competency areas in data analysis and communication provide foundations for applications for both practice and practice-based research.
Taught by: Solomon, Hall, Leary
One-term course offered either term
Activity: Lecture
1.0 Course Unit

PUBH 507 Public Health Law & Ethics
What is best - or, at least, seems best - for the public's health is not always consistent with society's view of what is legal, ethical, or good policy. This course introduces key concepts of legal, ethical, and policy analysis and attempts to demonstrate with current examples how these forces empower, guide, and constrain public health decision-making and actions. The course will combine lecture, Socratic dialogue, and group discussion in an informal setting. The course will feature guest lectures by several distinguished experts from Penn and from other universities.
Taught by: Anderson
Course usually offered in fall term
Activity: Lecture
1.0 Course Unit
PUBH 508 Capstone Seminar I
The Capstone is a culminating experience required for graduation in the Master of Public Health Program. In two Capstone seminars, students will have an opportunity to synthesize the knowledge and public health competencies they have developed through their coursework. Capstone students will apply their knowledge and skills to public health problems in a chosen area of interest. They will engage their peers in scholarly discussion, drawing from relevant scientific literature and public health experience in order to begin to develop a common grounding and identity as public health professionals. The Capstone incorporates two semester-long seminars and a research project. over the course of the Castone, students will develop, propose, revise, implement, and present their projects. As their projects successfully come to fruition they will also advise their junior colleagues still in the proposal stage.
Taught by: Frasso, Anderson, Levy, Grisso
Two terms. student may enter either term.
Activity: Lecture
1.0 Course Unit

PUBH 509 Capstone Seminar II
This course is the second of two Capstone courses related to the culminating project required for graduation in the Master of Public Health Program. MPH students apply their knowledge and skills to public health problems in a chosen area of interest under the guidance of a Capstone Mentor.
Two terms. student may enter either term.
Activity: Lecture
1.0 Course Unit

PUBH 514 Exper Learn Env Hlth
Activity: Lecture
1.0 Course Unit

PUBH 515 Community Development
Also Offered As: CPLN 622
Activity: Lecture
1.0 Course Unit

PUBH 517 Geography and Health
This course will provide an introduction to GIS in public health research and practice. Through a series of lectures and labs students will explore theories linking health and the environment, spatial analysis and spatial epidemiology, and applications of GIS-related data collection and analysis.
Taught by: Wiebe
Course usually offered in fall term
Also Offered As: EPID 518
Activity: Lecture
1.0 Course Unit

PUBH 519 Issues in Global Health
This course presents an overview of issues in global health from the viewpoint of many different disciplines, with emphasis on economically less developed countries. Subjects include: millennium goals; measures of disease burden; population projections and control; environmental health and safe water; demography of disease and mortality; zoonotic infectious diseases; AIDS and HIV prevention; vaccine utilization and impact; eradication of polio virus; chronic diseases, tobacco-associated disease and its control; nutritional challenges; social determinants of global health; harm reduction and behavioral modifications; women's reproductive rights; health economics and cost-effective interventions; health manpower and capacity development; bioethical issues in a global context.
Taught by: McLaughlin
Course usually offered in fall term
Prerequisites: Undergraduates must have completed HSOC-010-401.
Activity: Lecture
1.0 Course Unit

PUBH 521 Program Evaluation in Public Health
There are many public health programs developed to promote change. The question most funders have for public health programs is: what outcomes do you expect? This course is designed to review the principles of identifying short term, mid term and long term outcomes and methods of measurement. Students learn about the application of data collection skills to all phases of developing a public health program or service innovation, from needs assessment to analysis of finding to implementation of changes based on results. Students learn to appreciate how these skills can be used as practical tools for identifying public health problems, program development, program implementation including taking a reflective practice approach, ensuring equity and fairness in program delivery (i.e. combating disparities), and generally promoting public health through effective and efficient programmatic efforts.
Taught by: Karpyn
Course offered spring; odd-numbered years
Activity: Lecture
1.0 Course Unit

PUBH 525 Developing Effective Public Health Programs Using a Humans Rights Based Approach
This course will engage students in discussion of how a human rights approach, informed by international human rights declarations and covenants as well as gender theory, can more comprehensively inform the development of a variety of public health programs. Specifically, the class will discuss how health policies, programs and practices can impact on human rights (e.g. mandatory reporting of certain communicable diseases, quarantine, accessibility of services, etc.); how violations of human rights affect health (e.g. torture, discrimination, etc.) and how health and human rights are ultimately inextricably linked and programming for public health must use a framework that ensures a balance of interests between the two disciplines.
Taught by: Voet
Course usually offered summer term only
Activity: Lecture
1.0 Course Unit
PUBH 527 Media, Advocacy and Public Health
This course will examine the ways in which the media can be used as a tool to improve health. It will also investigate the ways in which the media has had a negative impact on health behaviors in the population. Looking at specific topics like tobacco, food and nutrition, and HIV/AIDS, we will explore the intersection of media, advocacy, advertising and entertainment and the impact of media broadly on health behavior and society. The course will also provide students the opportunity to practice strategically working with the media to address health problems.
Taught by: TBA
Course not offered every year
Activity: Seminar
1.0 Course Unit

PUBH 529 Public Health Perspectives on Sexual & Reproductive Health
This course will survey a range of key current and historic topics in reproductive and sexual health nationally and internationally with a particular emphasis on implications for public health. Policy, epidemiology, clinical practice, advocacy, and service delivery topics will be covered through presentations and conversations with leaders in the fields of reproductive and sexual health. The course will provide students with a broad general introduction to these topics which is appropriate for those interested in either public health or clinical aspects of the field. For students who wish to pursue a focused career in this area, this course is a necessary introduction. Students who will be working in related areas of public health will have exposure to a broad general understanding of reproductive and sexual health.
Course usually offered in fall term
Activity: Lecture
1.0 Course Unit

PUBH 530 Environmental Toxicology: Risk Assessment and Health Effects
This course presents general principals of toxicology and the disposition of toxins in the body. Case studies of the effects of environmental and occupational toxins on individuals will be analyzed. This course is designed for students who desire a strong foundation in toxicological concepts and principals and provides an overview of major toxins in our environment and their association with human health.
Taught by: Liu
Course usually offered in fall term
Also Offered As: NURS 677
Activity: Lecture
1.0 Course Unit
Notes: Undergrads need Permission

PUBH 531 Public Health Nutrition
The course is designed to introduce students to the core concepts, policies and practice of public health nutrition. The course will draw upon real world examples of local, national, and global initiatives to decrease risk of chronic diseases related to the World Health Organization's (WHO) major nutrition-related chronic diseases.
Activity: Lecture
1.0 Course Unit

PUBH 537 Evidenced-Based Health Policy
Achieving Evidence-Based Health Policy examines how research can influence health policy. Individual sessions will be devoted to topics such as the NurseFamily Partnership program, health insurance, smoking, and early childhood mental health. Sessions will examine how selection of research methods may influence results; the dialectical relationship between research and policy; and the role of various stakeholders (the media, foundations, government, advocates) in both research and policy debates. Didactic topical research presentations will be followed by interactive discussions examining how research finds translates (or, as the case may be, do not translate) into policy. Guest speakers will include research and policy experts from the public and private sectors. Prerequisites are Fundamentals of Health Policy (offered through the Master's of Science in Health Policy); PUBH 505 Public Health Administration and Policy; or permission of instructor. Enrollment limited to 12.
Taught by: Gerdes, Zlotnik
Course usually offered in spring term
Prerequisites: HPR 606 and PUBH 505 or permission of instructor
Activity: Lecture
1.0 Course Unit

PUBH 538 Qualitative Methods in Health
The purpose of this course is to expose students to a variety of qualitative approaches/methodologies that may be used in health services/policy research. In didactics we will discuss the pros and cons of various methods, explaining how the method is actually implemented (with multiple experts presenting their approaches), and pair the presentation with a broader discussion in which we compare and contrast health oriented articles in which the method was used.
Taught by: Barg, Shea
Course usually offered summer term only
Also Offered As: HPR 503
Activity: Lecture
1.0 Course Unit

PUBH 539 Reduce Hlth Disparities
Also Offered As: NURS 823
Activity: Seminar
1.0 Course Unit

PUBH 540 Go Global
Activity: Lecture
1.0 Course Unit

PUBH 541 Social Epi
Activity: Lecture
1.0 Course Unit

PUBH 545 Contemporary Issues in Maternal Child Health
Activity: Lecture
1.0 Course Unit
PUBH 551 Global Health Policy and Delivery
This participatory interdisciplinary seminar course examines contemporary issues in global health policy and delivery. The organizing framework for the class is the social determinants of health. The class will consider evidence that inequalities in education, income, and occupation influence health status. Students will develop skills in policy analysis, policy briefing development, and policy impact monitoring. The public policy process will be explored using a variety of contemporary global health case studies which focus on content areas such as maternal health, HIV policy, refugee health, and global healthcare delivery. Finally, we will examine the global health workforce and the impact of widespread global migration of health professionals on receiving and sending countries.
Taught by: M. Laughton and Voet
Course usually offered in spring term
Also Offered As: NURS 640, SWRK 793
Activity: Lecture
1.0 Course Unit

PUBH 553 Science & Poli of Food
This course provides an introduction to the many forces that shape what we eat. These include psychological, political, biological, legal, economic, and social influences. We will discuss and critically evaluate scientific research on food policies designed to improve the world’s diet. This course will have strong focus on the communication of health information and issues of health disparities as they relate to food environments and food policies. In addition, course assignments, activities, and lectures are designed to develop skills related to critiquing research and communicating evidence-based opinions in a clear and compelling manner.
Activity: Lecture
1.0 Course Unit

PUBH 554 Impact Evaluation of Global Health Programs
Activity: Lecture
1.0 Course Unit

PUBH 558 Health & Disease For Public Health Practitioners
Activity: Lecture
1.0 Course Unit

PUBH 565 Health Comm Digital Age
Also Offered As: NURS 353, NURS 565
Activity: Lecture
1.0 Course Unit

PUBH 567 Adolescent Health/Policy
Course usually offered in spring term
Activity: Lecture
1.0 Course Unit

PUBH 573 Substance Use & Ph
Activity: Lecture
1.0 Course Unit

PUBH 575 Intimate Violence
Also Offered As: SWRK 775
Activity: Lecture
1.0 Course Unit

PUBH 578 Housing & Public Health
Course usually offered in spring term
Activity: Lecture
1.0 Course Unit

PUBH 580 Implementing the Aca-Obamacare: Multi-Stakeholder Perspectives
Activity: Lecture
1.0 Course Unit

PUBH 588 Advanced Leadership Skills in Community Health
Grounded in a social justice perspective, this course aims to provide the student with a foundational overview of the field of community health and leadership skills in public health advocacy. The course encourages critical thinking about health outcomes framed by the broad context of the political and social environment. This course analyzes the range of roles and functions carried out by leaders in healthcare advocacy for marginalized communities; integrates knowledge of health policy and the key influence of government and financing on health outcomes; explores community-based participatory research and interventions as tools for change; and discuss ways to develop respectful partnerships with community organizations. An assets-based approach that draws upon the strengths of communities and their leaders provides a foundation for community-engagement skill building. The course emphasizes the development of skills and techniques to lead effective, collaborative, health-focused interventions for disenfranchised groups, including residents of urban neighborhoods.
Taught by: Margo, Klusaritz, Lipman
Course usually offered in spring term
Also Offered As: HPR 588, NURS 587
Prerequisite: Enrollment in a Masters or Doctoral program
Activity: Lecture
1.0 Course Unit
Notes: Undergraduate with permission of the instructor

PUBH 589 The Public Health Challenges of Alzheimer’s Disease and Cognitive Aging
Activity: Lecture
1.0 Course Unit

Taught by: Nelson, Grisso
One-term course offered either term
Corequisites: For BGS Public Health Certificate students only.
Activity: Seminar
1.0 Course Unit

PUBH 598 Immersion Experience in Global Public Health
Taught by: Nguyen
One-term course offered either term
Activity: Lecture
1.0 Course Unit
Notes: This independent educational experience seeks to provide motivated students with the opportunity to expand their knowledge in global health through focused experiential learning at international sites that provide direct public health services. Such learning will allow students to gain real-world experience concerning the core competencies of public health (health policy, behavior/social sciences, environmental health, epidemiology, or biostatistics).

PUBH 599 Independent Study in Public Health
One-term course offered either term
Activity: Independent Study
1.0 Course Unit

PUBH 602 Epi Methods Dis/Prev
Activity: Lecture
1.0 Course Unit
PUBH 603 Adv Research Methods
Activity: Lecture
1.0 Course Unit

PUBH 604 Qualitative Research in Social Sciences
Course usually offered in fall term
Activity: Lecture
1.0 Course Unit

PUBH 605 Epidemiology and Control of Infectious Diseases
Taught by: Smith
Activity: Lecture
1.0 Course Unit

PUBH 606 Synthesis and Translation of Epidemiologic Literature
This course is designed for students interested in further exploration of epidemiologic methods and the challenge of establishing a causal relationship between exposure and outcome using an observational science. We will utilize case studies to address the application of epidemiologic data to specific issues of relevance to public health. The nature of observational data will be explored through these case studies and specific methodological challenges will be highlighted and examined.
Also Offered As: NURS 616
Activity: Lecture
1.0 Course Unit

PUBH 607 Adv Local Policymaking
This course is designed to provide the foundational context and practical skills necessary to effectively advocate for evidence-based policy change in furtherance of public health objectives. The class will be interactive in nature and will require participation in public health advocacy exercises in order to hone advocacy skills. There will also be a focus on persuasive communication, both oral and written. We will explore the entire advocacy process from the identification of a problem and evaluation of possible policy solutions to utilizing the full range of advocacy tools to promote policy change. We will be using real-time examples of public health challenges affecting the health, safety and well-being of children and families here in Philadelphia and in communities across the country.
Activity: Lecture
1.0 Course Unit

PUBH 608 Behavioral Econ & Health
This course will explore answers to pressing public health questions through the lens of behavioral economics. Behavioral economics, a field at the intersection of psychology and economics, suggests that humans rarely behave rationally when making health-related decisions. The course will take a very pragmatic, hands-on orientation to behavioral economics and health research and practice. It will also leverage the deep and rich expertise of Penn’s Center for Health Incentives and Behavioral Economics, a leading research organization in the field.
Also Offered As: NURS 613
Activity: Lecture
1.0 Course Unit

PUBH 609 Mgmt & Leadership in Ph
Activity: Lecture
1.0 Course Unit

PUBH 610 Math Models Infec Diseas
Also Offered As: EPID 516
Activity: Lecture
1.0 Course Unit

PUBH 637 Advocacy & Public Health
Course usually offered in spring term
Also Offered As: HPR 637
Activity: Lecture
1.0 Course Unit

PUBH 701 Industrial Hygiene
Activity: Lecture
1.0 Course Unit

PUBH 702 Org & Hlth Care Mgmt
Activity: Lecture
1.0 Course Unit