PHTH 1120. Society and Health. 4 Hours.
Applies social scientific perspectives to the study of health, illness, and healthcare. Explores the ways that societal factors such as race, class, and gender interplay with health, healthcare, and health disparities. Studies neighborhoods and social networks in relation to health. Introduces basic sociological concepts relevant for the study of health and healthcare, such as social construction and medicalization. Offers students an opportunity to develop critical assessment skills while exploring a range of explanations for why, despite having the most expensive healthcare system, the United States ranks comparatively low in life expectancy and health and well-being outcomes. Uses lectures, case-based learning, and small-group workshops to explore the ways that our social environment shapes health in contemporary U.S. society. PHTH 1120 and SOCL 1120 are cross-listed.

PHTH 1121. Society and Health Recitation. 0 Hours.
Provides a small-group discussion format to cover material in the corequisite lecture course. PHTH 1121 and SOCL 1121 are cross-listed.

PHTH 1260. The American Healthcare System. 4 Hours.
Introduces the organization and dynamics of the healthcare system and the role of consumers. Explores basic elements of healthcare including financing, personal insurance, high-risk status, and patient rights within the context of the U.S. system. Central to this exploration is an analysis of healthcare issues requiring informed consent from patients: patient bill of rights, healthcare directives, and the use of a proxy for decision making. Introduces the roles and responsibilities of various healthcare workers within the framework of an interdisciplinary model of healthcare.

PHTH 1261. Comparative Healthcare Systems. 4 Hours.
Designed to enable health profession students to develop a basic understanding of health-delivery systems and key issues confronting healthcare in the United States and in the study country in this study-abroad course. Explores issues such as the affordability of medical care, patient rights, health risks and behaviors, disease prevention, quality and access to care, the growth of managed care and corporate influence on healthcare, new medical technologies, the aging population, the impact of biotechnology, and trends in employment of health professionals. Incorporates self- and group-reflection exercises, Internet and contemporary media exploration, and in-class discussions. Compares and contrasts key healthcare issues in the study country with those in the United States using literature, Internet and contemporary media, observations in the study country, and discussions with guest speakers.

PHTH 1270. Introduction to Global Health. 4 Hours.
Introduces global health in the context of an interdependent and globalized world focusing on four main areas of analysis: infrastructure of global health; diseases; populations; and terms, concepts, and theories. While the focus is on lower-income countries, the course examines issues in a broader global context, underscoring the interconnections between global health disparities and global health policy response. Applies case studies describing interventions to improve healthcare in resource-poor settings in sub-Saharan Africa and elsewhere to help illuminate the actors, diseases, populations, and principles and frameworks for the design of effective global health interventions. AFRS 1270 and PHTH 1270 are cross-listed.

PHTH 2210. Foundations of Biostatistics. 4 Hours.
Introduces the fundamental concepts of biostatistics. Offers students an opportunity to learn to apply statistical thinking to practical problems across several health disciplines. Draws examples and readings from clinical and public health literature. Introduces the Stata statistical software package.

PHTH 2211. Recitation for PHTH 2210. 0 Hours.
Offers small group discussion format to cover material in PHTH 2210.

PHTH 2300. Communication Skills for the Health Professions. 4 Hours.
Offers students in the health professions an opportunity to learn how to communicate effectively with patients, colleagues, and other professionals. Covers interpersonal communication with patients and families from culturally diverse backgrounds, public speaking and presentations, and communicating as a leader. Requires students to create/prepare and deliver several presentations throughout the semester.

PHTH 2301. Communication Skills for the Health Professions—Global. 4 Hours.
Studies how to communicate effectively with patients, colleagues, and other professionals—regardless of race, culture, or ethnicity—on interpersonal, organizational, and global levels. Introduces traditional and new media health communication strategies, public speaking/presentation techniques, and communication as leaders in a global environment. Compares cultures and healthcare systems in the country of study with the American system by engaging with health professionals, patients, caregivers, and communications and other specialists. Introduces students to art and techniques of health communication for informing and influencing patients, caregivers, and the community-at-large. Offers students in the health professions an opportunity to learn interpersonal, organizational, mass media, and global communication skills to empower individuals to become health literate and participate in their own healthcare. May be repeated without limit.

PHTH 2350. Community and Public Health. 4 Hours.
Provides students with a basic familiarity with and appreciation of public health and community-based methods for improving the health of populations. Explores the purpose and structure of the U.S. public health system, contemporary public health issues such as prevention of communicable diseases, health education, social inequalities in health and healthcare, public health responses to terrorism, and control of unhealthy behaviors like smoking, drinking, drug abuse, and violence.

PHTH 2515. Healthcare Policy and Administration. 4 Hours.
Focuses on management and policy issues in healthcare. Discusses management and administrative structures in hospitals and other healthcare organizations, including community clinics and health organizations, both private and public. Introduces the financial systems, economic information, and payment mechanisms necessary to understand healthcare financing. Also explores the variety of factors that influence population health from a healthcare policy perspective. Offers students an opportunity to learn how to analyze, prepare, and write policy briefs based on understanding the various economic, legal, and political forces shaping healthcare in the United States.
PHTH 4120. Global Perspectives on Discrimination and Health. 4 Hours.
Explores how discrimination can lead to population-level health disparities among marginalized groups globally. Topics include constraints of social categories, such as race and gender; differences in patterns of disease across populations, both intra- and internationally; how work from various disciplines, such as anthropology, medicine, and public health, inform understanding about how discrimination relates to health; and theoretical models from different disciplines that explain public health disparities.

PHTH 4511. Healthcare Management. 4 Hours.
Provides an opportunity to develop skills and abilities related to management within the context of interdisciplinary study. Students explore issues in healthcare management in small-group, case-based educational experiences or problem-solving approaches. Within the context of small groups, students explore complex problems frequently encountered in clinical practice. Group projects related to leadership, management, or administrative issues are pursued and developed as classroom or poster presentations.

PHTH 4515. Critical Issues in Health and Public-Health Policy. 4 Hours.
Explores public policy issues and their relation to U.S. healthcare reform. Emphasizes passage of the Affordable Care Act (ACA) and ongoing challenges in the public health arena. Uses historical, political, ethical, and other critical lenses to analyze a century of evolving U.S. healthcare reform efforts and the status of ACA implementation and to assess tensions between scientific, government, and broader public perspectives about current public health policy concerns. Explores the role of harm-reduction strategies, the impact of bioterror and emergency preparedness, privacy and other challenges of disease surveillance and population health-data collection, conflict regarding alternative strategies for infectious and chronic disease management, and the implications of the ACA for the future of public health.

PHTH 4540. Health Education and Program Planning. 4 Hours.
Offers a writing-intensive course that introduces concepts central to health education and the program-planning process. Examines current public health issues that require intervention through health education or other types of prevention programs. Studies and applies models and theories used in health education and program planning. Offers students an opportunity to conduct a needs assessment; design and plan a program for a public health issue; create a mission statement for the program as well as goals, objectives, and strategies; and design the intervention, develop an evaluation plan, and create a budget and marketing plan.

PHTH 4993. Independent Study. 1-4 Hours.
Offers students an opportunity to carry out independent work under the direction of members of the department on a chosen topic. Course content depends on instructor. May be repeated without limit.

PHTH 5120. Race, Ethnicity, and Health in the United States. 3 Hours.
Explores the role of economic, social, and individual factors in explaining racial and ethnic health disparities and examines intervention approaches to eliminate them. Topics include genetic and social constructions of race and ethnicity, measuring race and ethnicity, and the differences in prevalence and patterns of disease across groups; cultural and structural factors that affect healthcare delivery, such as discrimination, racism, and health status; and public health approaches to prevention and improving healthcare delivery.
PHTH 5222. Health Advocacy. 3 Hours.
Seeks to educate students about the role of advocacy in public health while providing tools and support to address current healthcare issues. Provides information and theory about advocacy, education, and community organizing in public health practice and skills geared toward direct application. Covers various techniques related to developing and conducting an advocacy project within a community setting. Offers students an opportunity to develop, communicate, and refine a community-based advocacy program. Requires permission of instructor for students outside designated programs.

PHTH 5224. Social Epidemiology. 3 Hours.
Focuses on social epidemiology, which is defined as the study of the distribution and determinants of health in populations as related to the social and economic determinants of health. Includes theories, patterns, and controversies, as well as programs and policies that can be applied to address health inequalities. Readings include articles that situate one dimension of social epidemiology with articles addressing the empirical patterns, address prevailing theories and controversies regarding the causes of the inequalities, as well as address interventions or policies that may be applied to address the inequalities. Requires permission of instructor for students outside designated programs.

PHTH 5226. Strategic Management and Leadership in Healthcare. 3 Hours.
Focuses on management challenges facing healthcare organizations, particularly community-based agencies and their role in the public healthcare delivery system. Introduces strategic thinking and leadership approaches that must be considered for managing a successful healthcare organization. Selected topics include strategic planning; organizational development and the barriers to organizational change; relationship management with key internal and external constituencies; marketing, financial management, and contract negotiation; evolving principles of health insurance and the changing role of the consumer; and the key elements for effective organizational leadership in today's evolving healthcare marketplace. When appropriate, outside experts are used to supplement readings, case studies, and lecture and discuss practical real-world challenges in leading various healthcare initiatives. Requires permission of instructor for students outside designated programs.

PHTH 5228. Advances in Measuring Behavior. 3 Hours.
Examines current and emerging methods of measuring human behavior known to impact human health. Discusses some of the most common instruments used to measure everyday behaviors and considers how emerging technologies may change how these behaviors are measured in the future. Explores the measurement of behaviors such as activities of daily living, dietary decision making, patterns-of-eating behavior, physical activity, sedentary behavior/posture, screen time, activity in the community, social connectedness, stress and stressful events, affective state, medication adherence, use of alcohol and addictive substances, risky behaviors, and physiological states that can be measured using wearable devices in the field (e.g., heart rate and blood pressure). This is a survey and project-oriented course.

PHTH 5230. Global Health. 3 Hours.
Provides an overview of global health issues and focuses on less economically developed countries. Covers measures of disease burden; demography of disease and mortality; Millennium Development Goals (under the auspices of the United Nations); infectious diseases such as HIV/AIDS, tuberculosis, and malaria and their prevention; vaccine utilization and potential implications; chronic diseases; tobacco-associated disease; nutritional challenges; behavioral modification; mother and child health; health human resources; and ethical issues in global health. LAW 7630 and PHTH 5230 are cross-listed.

PHTH 5232. Evaluating Healthcare Quality. 3 Hours.
Focuses on the conceptual and methodological foundations for evaluating the quality of care of healthcare providers—both individual providers and healthcare organizations. Aimed at students pursuing careers in public health, public policy, healthcare management, and the various health professions in the growing field of quality evaluation and improvement. Also designed to give healthcare providers an appreciation for how they may be evaluated. Examines scientific issues in the measurement of quality of care as well as key quality evaluation methods. Also covers the use of risk adjustment and other methodologies for comparing the quality of healthcare providers. Focuses on mechanisms that assess quality, including licensure, accreditation, and board certification.

PHTH 5234. Economic Perspectives on Health Policy. 3 Hours.
Uses basic economic concepts to illuminate the many factors that shape health, healthcare, and the healthcare system in the United States. Examines the role of these concepts in explaining the challenges faced in achieving three core goals of the healthcare system: increasing access, limiting cost, and improving quality. Explores how policy makers, market participants, and others can remedy access, cost, and quality deficiencies. Illustrates how economic concepts can be applied to the study of health and health behaviors.

PHTH 5240. Evaluating Scientific Evidence. 3 Hours.
Studies how to critically and systematically evaluate the merits of published research involving human subjects. Draws from literature in public health, medicine, and psychology. Discusses and examines principles of hypothesis testing, study design, sample selection, validity, statistical significance, effect size, systematic reviews, ethics, and multiculturalism. Covers issues of statistical methods and data analysis. Requires no computation. Seeks to help researchers and practitioners become more informed consumers and eventual contributors of scientific information. Requires prior completion of at least one course in research methods or statistics (e.g., EXSC 6263, HLTH 5450, PHTH 5202, PHTH 5210); undergraduates, nondegree graduate students, and students who have not completed these courses are strongly encouraged to consult with the instructor prior to registering.

PHTH 5280. Food, Food Policy, and Health. 3.4 Hours.
Covers the importance of food and food policy in the lives of individuals and their families; the impact of different policies and practices on health, including disease prevalence and malnutrition; and the structure and functioning of a major sector of the economy in American political discourse, particularly in the last 75 years. Emphasizes the increase of overweight individuals since the 1970s and obesity as a driver of the rise of chronic diseases; the transformation of agriculture from small, privately owned farms to large megacorporations; the transformation of Americans’ eating habits and the growth in the importance of the fast-food industry; and recent trends toward smaller, organic farms and growing interest in sustainability and consumption of locally and regionally grown foods.

PHTH 5300. Project Management in Public Health. 1 Hour.
Presents principles of project management as applied to public health organizations and their programs. Offers students an opportunity to learn the components of the project management lifecycle, including human resource components, material resources, and related components.
PHTH 5310. Budget Principles in Public Health. 1 Hour.
Public health programs in public agencies and nonprofit organizations require managerial skills to assure that programs are implemented efficiently and effectively. Funding for public health frequently comes from governmental revenue sources—federal and state budgets or grants from government or foundations. It is critical that the funds are utilized well and appropriate to the objectives of the agency and program, so the development and management of solid budgets in these organizations is very important. This course details the public health revenue and funding environment, identifies key budget development functions, and describes the importance of utilizing the budget process for sound management of the programs. Advancing the environment for public health through effective budgeting and promotion of program impact is important to support the continued funding for public health. Takes students through these topics and offers them the practical experience of developing a budget for a public health program as the central activity.

PHTH 5320. Grant Writing in Public Health. 1 Hour.
Offers an opportunity for participants to develop their skills in grant writing and in reviewing grants. Offers students an opportunity to explore the grant-funding landscape, identify different types of funders and grants, identify potential funders, develop a grant proposal, and understand the submission and peer-review process.

PHTH 5440. Community-Based Participatory Research: Environmental Health. 3 Hours.
Aims to prepare students for community-based participatory research (CBPR) through historical, theoretical, and methodological materials. Through visits with experienced CBPR researchers, studies the need for, benefits of, and challenges to community-grounded research. Uses the lens of local environmental justice issues to emphasize the importance of CBPR to environmental health and justice work. Offers students an opportunity to engage in hands-on labs, to develop research tools to study their own community as students, to critically analyze CBPR cases, and to develop their own strategic plan to research a pressing environmental health and justice issue through CBPR. Introduces students to critical studies of science and technology.

PHTH 5540. Health Education and Program Planning. 3 Hours.
Focuses on underlying concepts of health education and explores current health education issues that require intervention. Covers program planning models and theories used in health education. Offers students an opportunity to develop a working knowledge of the planning process for health education through the analysis of case studies and by creating a program plan to address a health issue of their choice. Provides health science students with preparation for HSCI 4710, in which they may choose to implement and evaluate their program plan.

PHTH 5976. Directed Study. 1-4 Hours.
Offers independent work under the direction of members of the department on a chosen topic. Course content depends on instructor. May be repeated without limit.

PHTH 5978. Independent Study. 1-4 Hours.
Offers independent work under the direction of members of the department on a chosen topic. Course content depends on instructor. May be repeated without limit.

PHTH 6200. Principles and History of Urban Health. 3 Hours.
Focuses on the aspects of urban development and life that impact the health and well-being of city residents. Offers students an opportunity to learn about the impact of migration patterns, built environments, occupational stratification, and other cultural and community contextual factors that impact health status and healthcare access. Examines the level of overall health and healthcare found in urban populations, particularly the urban poor, and the disproportionate impact on racial and ethnic minorities in the United States and elsewhere. Considers public policy approaches for addressing the unique health issues of urban areas. Examines urban health issues both from a national and international perspective. Requires permission of instructor for students outside designated programs.

PHTH 6202. Intermediate Epidemiology. 3 Hours.
Offers an intermediate-level course covering key principles, concepts, and methods of population-based epidemiologic research. Topics include observational study designs, measures of disease occurrence and association, validity and bias, confounding, effect modification, multivariate analysis for stratification and adjustment, critical appraisal and meta-analysis, mediation analysis, missing data analysis, and concepts and methods for strengthening causal inference. Offers graduate students unique opportunities to engage in practical applications, including critical reviews of published epidemiologic journal articles, and to conduct hands-on analyses of empirical datasets using SAS statistical software. Designed to serve as a foundation for further advanced training in specialized branches of epidemiology, quantitative methods, and epidemiologic research.

PHTH 6204. Society, Behavior, and Health. 3 Hours.
Explores individual, interpersonal, and social influences on health. Offers students in public health an opportunity to learn the application of the social and behavioral sciences. Examines foundations of public health, including prevention and the prevention paradox, theories of disease causation, and public health ethics. In addition, multilevel influences on health are examined, including behavioral theories and social determinants of health. Throughout the semester, attention is paid to disparities in health. Finally, we examine strategies to reduce health disparities, such as education, interventions, and policy-level changes, and discuss their relative effectiveness. Requires permission of instructor for students outside designated programs.

PHTH 6208. Urban Community Health Assessment. 3 Hours.
Offers students an opportunity to develop a basic understanding of the complex public health issues confronting urban communities across the nation. Uses a community organization and development framework for public health practice. Seeks to provide skills, tools, and experiential learning opportunities that result in community assessments that may be used in public health planning, programming, and policy. Covers key principles and methods for conducting community health assessments utilizing a range of quantitative and qualitative methods, including community epidemiology, major data sets, surveillance data, behavioral risk and other population-based surveys, as well as other primary and secondary data sources. Includes collaborative and interactive exercises, including self- and group reflection, Internet and contemporary media exploration, and in-class discussions. Requires permission of instructor for students outside designated programs.

PHTH 6210. Applied Regression Analysis. 3 Hours.
Builds upon the fundamental concepts and methods of biostatistics with applications to health disciplines. Topics include hypothesis testing, analysis of variance, linear regression, multiple regression, and logistic regression. Examples and readings are drawn from the public health literature. The SAS statistical software package is introduced and used throughout the course.
PHTH 6228. Public Health Nutrition. 3 Hours. 
Covers public health nutrition issues among individuals, communities, and populations living in urban settings. Emphasizes issues about vulnerable populations, such as ethnic minorities, women, children, and the elderly. Topics include food and nutrition science; evaluation of specific nutrition programs; and the understanding of the role of public health services, policies and legislation, funding, marketing, and communication strategies for the development, evaluation, implementation, and dissemination of nutrition programs. Briefly reviews international public health nutrition issues such as world hunger and food insecurity. Incorporates a service-learning component, involving a partnership with a community-based organization. Requires permission of instructor for students outside designated programs.

PHTH 6232. Neighborhood and Public Health. 3 Hours. 
Examines how neighborhood features and processes affect population health. Introduces the sociological and health literature on neighborhood effects, segregation, and health. Addresses how social policies influence neighborhoods and, thus, population health, as well as how public health practitioners may collaborate with other disciplines to assess urban environments and enhance them to strengthen population health. Reviews a variety of assessment tools from sociology, urban planning, and public health in order to characterize neighborhoods in a systematic and rigorous manner. Covers useful data sources and measurements to examine neighborhood and health issues, as well as assessment tools used to examine whether urban environments are healthy. Requires basic statistics and data analysis skills; practical experience in urban public health is a plus but not required.

PHTH 6320. Qualitative Methods in Health and Illness. 3 Hours. 
Discusses qualitative inquiry in general and specifically in topics related to public health and experiences of self, health, illness, and the body. Qualitative research aims to achieve in-depth and contextual understanding of people, culture, and societies and usually employs texts, interviews, published materials, images, and focus group discussions as sources of data. The course integrates theoretical and methodological readings and discussions with designing and conducting a qualitative project. Offers students an opportunity to understand meanings of health, illness, and the body in a variety of "local worlds" and reflect on their importance for informing policy, public health, research, and practice. Requires prior completion of one undergraduate- or graduate-level course in research methods.

PHTH 6350. Social Survey Research Methods. 3 Hours. 
Offers an overview of social survey research methodology. Social surveys are widely used in the health and social sciences and they are sources of many important discoveries. Covers how theory and research objectives drive key decisions about the survey design process—which include sampling, measurement, and modes of data collection—in a framework that minimizes error at each step. Uses materials developed by leading academic social survey researchers and organizations as models for how students can use existing surveys and design their own surveys to accomplish their research goals. There are many lively debates about best practices as researchers adapt to new technologies, falling response rates, ethical quandaries about engaging human subjects, and increasing research costs.

PHTH 6400. Principles of Population Health 1. 3 Hours. 
Seeks to provide students with historical background and methodological and critical-thinking tools needed to perform high-quality, interdisciplinary research in population health. Using a problem-solving and interdisciplinary framework, offers students an opportunity to gain the skills to develop research hypotheses, design research strategies, analyze data to test study hypotheses, and communicate their findings both orally and in writing. Also offers students an opportunity to gain experience in research methodology and application of basic methods for population health research, including epidemiological and biostatistical concepts. Finally, students demonstrate their mastery of these skills through problem sets and through written proposals that include communication of preliminary data.

PHTH 6410. Principles of Population Health 2. 3 Hours. 
Continues PHTH 6400, exploring additional population health research topics and methods and applying more advanced biostatistical and epidemiological analysis methods.

PHTH 6440. Advanced Methods in Biostatistics. 3 Hours. 
Explores in detail the analysis of complex survey design, including adjustments for cluster sampling, weighting, and stratification. Designs that incorporate clustering of data are common in health science research. These designs are characterized by data that capture nonindependent repeated measurements on primary sampling units or that collect data with schemes more complex than simple random sampling. The statistical analyses of these types of data need to include appropriate adjustments to provide proper estimates and accurate testing. The second part of the course investigates the use of mixed regression models to analyze repeated measurements on individuals, multilevel data, and growth models.

PHTH 6450. Systematic Reviews of Scientific Literature. 3 Hours. 
Offers students an opportunity to learn how to conduct a systematic review of scientific literature, including developing a question of appropriate scope and clinical relevance, development of abstraction tool, selection of articles, and drafting of all sections of the review including tables and figures. Students produce a systematic review in a topic area of substantive interest.

PHTH 6460. Analysis of Messy Data. 3 Hours. 
Covers the foundations and application to messy data for various statistical approaches, including generalized additive models, robust regression, blocking and matching, propensity score analyses, bootstrap and resampling methods, and classification trees. General linear models are widely used for exploring and testing associations in cohort and observational studies. When assumptions hold and the models are correctly specified, these approaches provide unbiased estimates and powerful tests that have very desirable properties. However, in applied health science research, one often finds one’s data are “messy” and usual approaches need to be modified and adapted to provide valid inferences. Highly confounded variables, strong nonlinear associations, incomplete or missing data, or highly interacted associations can require special considerations.
PHTH 6800. Causal Inference in Public Health Research. 3 Hours.
Exposes students to causal inference approaches, including causal diagrams and counterfactual theory. Students are also asked to draw upon their own research experiences and prior epidemiology training to evaluate public health studies. Covers how to apply the fundamental concepts of counterfactuals and causal diagrams; assess threats to validity in study designs and analysis, including confounding, selection bias, and measurement error/misclassification; evaluate the validity of a public health research study’s design and analysis with respect to addressing causal questions; and critically analyze scientific literature and apply findings to clinical or policy decisions. Offers students an opportunity to think critically and rigorously about the implications of study design and analysis toward addressing public health questions.

PHTH 6901. Capstone 1. 1 Hour.
Surveys professional development issues that are relevant to successful completion of the public health capstone project and future work as a public health professional. Offers students an opportunity to integrate theory and practice experiences through discussion and reflections. Covers major topics in professional development, such as presentation skills, time management, relationship management, cross-cultural issues in the workplace, and written communication skills. Includes issues that can stall a career in the public health field.

PHTH 6902. Capstone 2. 2 Hours.
Constitutes the second of three public health capstone courses. Students work on-site in a range of diverse public health practice settings reflective of their particular urban health focus. Offers students an opportunity to integrate their theory and practice experiences in a major research, program planning, program implementation, policy development, management, service delivery, or evaluation project. Capstone projects are student-led and designed in consultation with community partners and faculty advisors.

PHTH 6903. Capstone 3. 3 Hours.
Constitutes the third of three public health capstone courses. Students work on-site in a range of diverse public health practice settings reflective of their particular urban health focus. Offers students an opportunity to integrate their theory and practice experiences in a major research, program planning, program implementation, policy development, management, service delivery, or evaluation project. Capstone projects are student-led and designed in consultation with community partners and faculty advisors.

PHTH 6910. Public Health Capstone. 3 Hours.
Offers students an opportunity for scholarly work on-site in a range of diverse public health settings reflective of their particular urban health focus. Students have an opportunity to integrate their theory and practice experiences in a major research, program planning, program implementation, policy development, management, service delivery, or evaluation project. Student-led and designed in consultation with community partners and faculty advisors.

PHTH 6964. Co-op Work Experience. 0 Hours.
Provides eligible students with an opportunity for work experience. May be repeated without limit.

PHTH 6966. Practicum. 1-4 Hours.
Provides eligible students with an opportunity for practical experience. May be repeated without limit.

PHTH 7976. Directed Study. 1-3 Hours.
Offers the student the opportunity to bring individual, concentrated attention to a particular public health topic or competency area as arranged and agreed upon in advance by a faculty member and the student. This option is generally recommended when the student desires a more intensive analysis of a particular subject. May be repeated without limit.

PHTH 8960. Exam Preparation—Doctoral. 0 Hours.
Offers students an opportunity to prepare for the PhD qualifying exam under faculty supervision.

PHTH 8984. Research. 1-4 Hours.
Offers an opportunity to conduct research under faculty supervision. May be repeated without limit.

PHTH 8986. Research. 0 Hours.
Offers an opportunity to conduct research under faculty supervision. May be repeated without limit.

PHTH 9000. PhD Candidacy Achieved. 0 Hours.
Indicates successful completion of program requirements for PhD candidacy.

PHTH 9990. Dissertation. 0 Hours.
Offers doctoral students an opportunity to work with their advisors and doctoral research committees to perform their doctoral research and to write their dissertation. Restricted to Bouvé doctoral candidates only.

PHTH 9994. Dissertation Continuation—Part Time. 0 Hours.
Offers continued dissertation supervision by members of the department. May be repeated without limit.

PHTH 9996. Dissertation Continuation. 0 Hours.
Offers continuation of dissertation research to doctoral students. Restricted to Bouvé doctoral candidates only. May be repeated without limit.