College of Public Health Courses (CPH)

This is a list of public health courses. For more information, see College of Public Health.

CPH:1000 First-Year Seminar 1 s.h.
Small discussion class taught by faculty member; topics chosen by instructor; may include outside activities (e.g., films, readings, visits to research facilities).

CPH:1050 College of Public Health Direct Admit Seminar 1 s.h.
Introduction for first-year students to student life and the public health profession; tips for student success, resources on campus, coping with adversity, advising responsibilities, curriculum choices and career objectives, and community building events.

CPH:1400 Fundamentals of Public Health 3 s.h.
Introduction to public health; emphasis on issues, challenges, achievements, careers; historical events that serve as a foundation for public health practice. GE: Social Sciences.

CPH:1600 Public Health Science: Inquiry and Investigation in Public Health 3 s.h.
Exploration of the interdisciplinary nature of public health practice and research, linking the natural and social sciences to epidemiology and biostatistics in an effort to enrich the understanding of public policy and population-based interventions.

CPH:1800 Social and Psychological Determinants of Health: Changing Behavior, Improving Health 3 s.h.
Study of the social and psychological aspects of health, including understanding behavior change to improve health.

CPH:2050 Second Year Undergraduate Public Health Seminar 1 s.h.
Preparation for experiential learning opportunities, including development of interpersonal, teamwork, leadership, and communication skills; ethical decision making; understanding the cultural contexts in which professionals work; working with communities and the role of advocacy; professionalism.

CPH:2200 Climageddon: A Crisis for Public Health 2 s.h.
History, underlying theory, and public health impacts of global climate change stressing adaptation and mitigation of this grand public health challenge for the 21st century.

CPH:2210 Introduction to Maternal and Infant Health Epidemiology 2 s.h.
Introductory overview of maternal and infant health concepts, methods, and issues, both domestic and abroad, including contraception and fertility, pregnancy complications, caesarean delivery, maternal and infant morbidity and mortality, and child survival.

CPH:2220 Building a Healthier Tomorrow: Public Health Methods to Minimize Disease and Pollutant Exposures 3 s.h.
Introduction to historical public health practices developed to prevent exposures to environmental contaminants; major sources of those contaminants that adversely affect natural waters and air are evaluated relative to methods used to provide safe drinking water and clean air; in-class exercises involve critical thinking and creativity to understand concepts and tools needed to utilize prior public health successes and application to current and future environmental health events.

CPH:2230 Finding Patient Zero: The Exploration of Infectious Disease Transmission and Pandemic Threats 3 s.h.
Exploration of lay and scientific literature, pandemic infection games, and popular culture television programming to evaluate past and fictional pandemics—are these pandemics rooted in fact or fiction?

CPH:2400 The U.S. Health System in a Global Context 3 s.h.
Fundamental organizational structures of the U.S. health system and the difference between systems globally; basic concepts of legal, ethical, economic, and regulatory dimensions of health care and policy and roles, influences, and responsibilities of government agencies.

CPH:2600 Introduction to Public Health Methods 3 s.h.
Introductory quantitative and qualitative methods used in public health practice and research. Prerequisites: CPH:1600 with a minimum grade of C-.

CPH:3050 Third Year Undergraduate Public Health Seminar 1 s.h.
Development and preparation for post-college plans, including how to conduct a job search, write a résumé and cover letter, interview, and apply to graduate programs in public health and related fields.

CPH:3100 Health Economics 3 s.h.
Introduction to microeconomic theory and applications to health and health care, including demand for health and health services, health insurance coverage, health care markets, behavior of health care providers, and role of government. Prerequisites: CPH:2400.

CPH:3200 Death at Work: Case Studies of Workplace Safety and Health 3 s.h.
Case-study approach to understanding the rights of workers to a safe and healthful workplace; relevant risk factors (physical, economic, social) among several working environments.

CPH:3210 Nutrition in Public Health 3 s.h.
Concepts and methods of obtaining and using food and nutrition information from federal databases and research publications; how food and nutrition knowledge, policy, and research are used for improvement of the health of populations.

CPH:3220 Public Health as a Public Good: Economics and Decision Making in Public Health Systems 3 s.h.
Role of government in the economy from a public health perspective; emphasis on the importance of public goods, behavioral economics in public health solutions, and key methods for evaluation of public programs.

CPH:3230 Human Genetics and Public Health 3 s.h.
Introduction to human genome and its impact on public health; students learn about public health initiatives and policies that include genetics (e.g., newborn screening, birth defects surveillance, cancer screening). Prerequisites: BIOL:1411.

CPH:3400 Health, Work, and the Environment 3 s.h.
Survey of environmental and occupational health hazards and the associated health risks of exposure; how public health protects society from these hazards; how public health policy can be influenced by science. Same as GEOG:3210.
CPH:3500 Global Public Health  3 s.h.  
Exploration of historical, current, and forecasted trends in global public health, the factors influencing health demographics in human populations, sources of health inequalities, and appropriate policy and intervention approaches for addressing global public health challenges. Same as GHS:3500.

CPH:3600 Applied Public Health Methods  3 s.h.  
Application of quantitative and qualitative methods used in public health practice and research. Prerequisites: CPH:1600 and CPH:2600.

CPH:3700 Methods for Program Implementation and Evaluation  3 s.h.  
Introduction of theory and practice of program implementation and evaluation for health care and public health interventions focusing on programs implemented at the community level, including projects in government and nonprofit organizations. Prerequisites: CPH:1600 and CPH:2600.

CPH:3750 Undergraduate Service Learning in Public Health  arr.  
Community service learning experience directly related to goals and objectives of a specific public health course for undergraduate students; faculty-guided planning and reflection; satisfies the experiential learning public health degree requirement.

CPH:3800 Public Health Theories and Society  3 s.h.  
Examination of public health and social science theories as they relate to socioeconomics, policy, institutions, communities, individual decision making, behavior, and health. Prerequisites: CPH:1400 and CPH:2600.

CPH:3900 Foundations in Public Health Preparedness and Response  3 s.h.  
Basic concepts and principles used in emergency prevention, preparedness, response, and recovery at the local, state, and national levels with emphasis on roles and responsibilities of public health that align with policies, laws, and systems.

CPH:4101 Introduction to Public Health  3 s.h.  
Concepts, structures, and activities in public health practice. Offered fall semesters and summer sessions.

CPH:4200 Agriculture and the Environment  3 s.h.  
Identification and development of tools to measure environmental and social sustainability of global agricultural practices, including interactions with the environment, social considerations, and the ability of agriculture to support farmers’ livelihoods.

CPH:4210 Making a Difference: Public Health Policy and Advocacy  3 s.h.  
Important role of policy in health, including policy structures, implementation, advocacy, and evaluation; students focus their work on a policy of their specific interest.

CPH:4220 Global Road Safety  3 s.h.  
Road safety problem, data sources, research methods used in field, and how intervention and prevention programs are developed and evaluated; lecture, hands-on approaches. Same as GHS:4530, OEH:4530.

CPH:4230 Injury and Violence Prevention  3 s.h.  
Theory, research, and practice of injury control; unintentional and intentional injuries; local, national, international injury issues. Same as EPID:4510, OEH:4510.

CPH:4750 Global Learning in Public Health  arr.  
Global public health experience; satisfies the experiential learning public health degree requirement.

CPH:4850 Public Health Internship  arr.  
Public health internship experience; satisfies the experiential learning public health degree requirement.

CPH:4900 Undergraduate Research Experience in Public Health  arr.  
Hands-on involvement in scholarly public health research activities under the supervision of faculty or research staff; satisfies the experiential learning degree requirement for public health majors.

CPH:4990 Mentored Independent Undergraduate Research in Public Health  3 s.h.  
Independent student research project under the supervision of a faculty mentor; satisfies the experiential learning degree requirement for public health majors.

CPH:4999 Public Health Capstone: Practice of Evidence-Based Public Health  3 s.h.  
Students in their final year synthesize and apply knowledge through cumulative and integrative activities that serve as a capstone to their educational experience. Prerequisites: CPH:1600 and CPH:2600 and CPH:3600.

CPH:6100 Essentials of Public Health  arr.  
Introduction and overview of the scope of public health; emphasis on history, definitions, issues, achievements, and future challenges; examples of public health research and practice.

CPH:6500 Independent Study in Public Health  arr.  
In-depth pursuit of an area of special interest in public health.

CPH:6600 Service-Learning in Public Health  arr.  
Community service learning experience directly related to goals and objectives of a specific public health course; faculty-guided planning and reflection.

CPH:6700 Public Health Emergency Preparedness for Veterinarians and Other Public Health Disciplines  2-3 s.h.  
Introduction to public health emergency preparedness from a one health perspective; emergency preparedness from federal, state, and local perspectives; important elements for preparing responders; preparedness information systems and communication techniques.

CPH:7000 M.P.H. Practicum Experience  0-6 s.h.  
Comprehensive and integrated application of knowledge acquired in the M.P.H. program in a practice setting; demonstration of professional competence in public health practice. Prerequisites: CBH:4105 and (HMP:5005 or HMP:4000) and EPID:4400 and BIOS:4120 and OEH:4240 and CPH:4101. Requirements: an approved practicum proposal.

CPH:7270 Principles of Scholarly Integrity: Public Health  0-1 s.h.  
Training in the responsible conduct of research and scholarly activities; discussion of student/mentor responsibilities in pursuit of scholarly work and intellectual dialogues; responsibilities to the institution/scholarly community/society; public health core discipline examples are utilized.

CPH:7604 Principles of Scholarly Integrity: Public Health - Postdoc/K Awardees  0 s.h.  
Training in the responsible conduct of research and scholarly activities; discussion of student/mentor responsibilities in pursuit of scholarly work and intellectual dialogues; responsibilities to institution/scholarly community/society; utilization of public health core discipline examples; for public health postdoc/K awardees.