Public Health Courses (College of Public Health) (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.
Introduction to epidemiology, biostatistics, and the interdisciplinary nature of public health research and practice; how public policy and population-based interventions are subsequently shaped by public health evidence. GE: Quantitative or Formal Reasoning.

**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: Understanding Climate Change and Associated Impacts on Health** 2 s.h.
Discovery, underlying principles, and impacts of global climate change; scientific evidence, global climate models, international treaties, ethics, advocacy and denial of climate change; strategies for climate adaptation and mitigation of unsustainable practices.

**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:2240 Health Disparities and Intersectionality with U.S. Latina/o/x Peoples** 3 s.h.
Exploration of intersectionality—related to gender, immigration status, and more—and U.S. health disparities, particularly as they impact U.S. Latina/o/x peoples; Latina/o/x as a heterogeneous group originating from a variety of countries, with families that may have mixed immigration, education, class, and/or nationality status; public health approaches and concepts; intersectionality, social determinants of health, the Social Ecological Model, Ecosocial Theory, and Critical Race Theory; examination of various levels of racism, sexism, and other forms of intersectional discrimination. Same as GWSS:2400, LATS:2400.

**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.

**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:1140 or BIOL:1141 or BIOL:1411.

CPH:3240 Global Health Today  1 s.h.
Attendance at diverse on-campus, local, and regional global
health events. Same as GHS:3030.

CPH:3300 Undergraduate Independent Study in Public
Health  arr. in-depth pursuit of an area of special interest in public health.

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
with a minimum grade of C- and CPH:2600 with a minimum
grade of C-.

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 for undergraduate public health majors. Recommendations: CPH:2050 strongly recommended.

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 Fundamentals in Public Health Emergency
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. Prerequisites: CPH:1400.

CPH:3999 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 undergraduate public health majors. Recommendations: CPH:2050 strongly recommended.

CPH:4200 Agriculture, Food Systems, and
Sustainability  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:4240 Special Topics  arr.
Didactic material in public health; may include tutorial,
seminar, or faculty-directed work; may be a special topic or
experience taught one time or on a first-time basis.

CPH:4250 Field Experiences in Public Health  1 s.h.
Direct involvement in actions being taken at local community
level; topics include environmental health, infectious diseases,
chronic diseases, and pediatric health; practical examples
and hands-on experiences during site visits for topic-specific
field investigations. Offered spring semesters. Prerequisites:
BIOL:1140 or BIOL:1141 or BIOL:1411. Requirements: biology
or microbiology coursework. Same as EPID:4314.

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

CPH:4755 International Perspectives: Xicotepec  2 s.h.
Interdisciplinary service-learning course to enrich understanding of Mexican culture and history; students hone
work, leadership, cultural sensitivity, cultural humility, and
project management skills while developing and carrying out public health projects that address community-identified
needs; coordinated with the support of Rotary International.
CPH:4850 Undergraduate Public Health Internship  arr. 2 s.h. 
Public health internship experience; satisfies the experiential learning public health degree requirement for undergraduate public health majors. Recommendations: CPH:2050 strongly recommended.

CPH:4990 Mentored Independent Undergraduate Research in Public Health  arr. 2-3 s.h. 
Independent student research project under the supervision of a faculty mentor; satisfies the experiential learning degree requirement for undergraduate public health majors. Corequisites: CPH:3600. Recommendations: CPH:2050 strongly recommended.

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:2400 and CPH:3050 and CPH:3400 and CPH:3500 and CPH:3600 and CPH:3700.

CPH:5100 Introduction to Public Health 3 s.h. 
Concepts, structures, and activities in public health practice. Offered fall semesters and summer sessions.

CPH:5201 Interprofessional Education and Practice for M.P.H. Students I 0 s.h. 
Students gain knowledge and skills in interprofessional practice between health professionals including medicine, pharmacy, dentistry, physical therapy, nursing, health administration, and public health; understanding roles/responsibilities, values, and ethics across health professions; development of teamwork skills.

CPH:5202 Interprofessional Education and Practice for M.P.H. Students II 0 s.h. 
Students gain knowledge and skills in interprofessional practice between health professionals including medicine, pharmacy, dentistry, physical therapy, nursing, health administration, and public health; understanding roles/responsibilities, values, and ethics across health professions; development of teamwork skills.

CPH:5203 Interprofessional Education and Practice for M.P.H. Students III 0 s.h. 
Students gain knowledge and skills in interprofessional practice between health professionals including medicine, pharmacy, dentistry, physical therapy, nursing, health administration, and public health; understanding roles/responsibilities, values, and ethics across health professions; development of teamwork skills.

CPH:6100 Essentials of Public Health 2 s.h. 
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. 0-6 s.h. 
In-depth pursuit of an area of special interest in public health. Requirements: approval from the College of Public Health.

CPH:6600 Service-Learning in Public Health  arr. 0-6 s.h. 
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:5100. Requirements: an approved practicum proposal.

CPH:7200 M.P.H. Capstone Experience 1 s.h. 
Students gain knowledge and skills in public health practice by working on an interdisciplinary team to solve a real-world public health issue; each student has the opportunity to apply classroom and practical experience received throughout their M.P.H. coursework into an integrative experience; students particularly gain skills in advocacy, communication with diverse audiences on public health issues, and the role of different public health disciplines in solving health issues in the community.

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:7500 M.P.H. Applied Practice Experience 1-2 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.

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.