PUBLIC HEALTH (PH)

Courses

**PH 301. Public Health & Health Policy. 3 Credits.**
Course focuses on current public health issues, barriers to improving population health, and policy tensions between science, economics, education, politics, government, media, and public health.

**PH 302. Epidemiology I. 3 Credits.**
Epidemiology is the study of disease distribution and determinants in populations; we will define populations and estimate the distribution of health-related conditions and their determinants. Pre/co-requisites: Bachelor's degree and college-level mathematics course.

**PH 303. Biostatistics I: App Rsch in PH. 3 Credits.**
Biostatistics I (Applied Research Methods in Public Health) includes biostatistics, research designs, and qualitative approaches, and includes emphasis on evaluating research articles in public health. Pre/co-requisites: Bachelor's degree and college-level mathematics course.

**PH 304. Environmental Public Health. 3 Credits.**
Explores major areas of environmental public health (EPH), including environmental hazards, exposures, and related health outcomes, including emerging topics in environmental public health.

**PH 305. Pol, Org & Finance in Hlth Care. 3 Credits.**
This course looks at U.S. health care policies, organizational structures and financing systems and examines key concepts from economic, social, ethical, political and global perspectives.

**PH 306. Social & Behavioral Public Hlth. 3 Credits.**
This course addresses the behavioral, social and cultural factors related to individual and population health, and health disparities over the life course.

**PH 307. Epidemiology 2. 3 Credits.**
Epidemiology 2 exposes students to advanced epidemiological concepts, such as effect modifications and modeling using multiple variables, related to establishing causal relationships from observational data. Prerequisite: PH 302.

**PH 308. Environmental Public Health 2. 3 Credits.**
Students explore public health within the context of natural and human-made environments, and examine methods of practice and emerging environmental health topics. Prerequisite: PH 304.

**PH 310. Public Health Law and Ethics. 3 Credits.**
Public health law examines the government’s authority, at various jurisdictional levels, to improve the health of the general population within societal limits and norms. Prerequisite: Bachelor’s degree.

**PH 311. Global Public Health. 3 Credits.**
This course explores global public health challenges affecting people primarily in developing or resource-constrained countries. Cultural competency concepts will be embedded. Prerequisite: Bachelor’s degree.

**PH 312. SU: Food Systems & Public Hlth. 3 Credits.**
This course explores food systems' influence on public health, and how technology, policy, biology, epidemiology, and historical knowledge can support a healthier food system. Prerequisite: Bachelor's degree.

**PH 313. Public Health & Social Justice. 3 Credits.**
Analytical examination of the relationship between health policies and programs and social justice issues in the United States with exemplars from other countries.

**PH 314. Environmental Risk & Risk Comm. 3 Credits.**
This course explores theory, policy and techniques for environmental risk communication from the viewpoints of government, industry, special interest groups, and the general public.

**PH 315. Public Health Surveillance. 3 Credits.**
This course explores surveillance of infectious and non-infectious diseases, health behaviors and population characteristics, fundamental to nearly all fields of modern public health practice. Prerequisite: PH 302.

**PH 317. Mgmt in Hlth Services & Med Care. 3 Credits.**
Addresses major issues and challenges faced by health services managers relating to established and evolving social, economic, and professional policies in a context of practical problem assessment and appropriate resolution. Cross-listed with: BSAD 331, PA 312.

**PH 319. Environmental Health Law & Pol. 3 Credits.**
Introduces non-lawyers to American law as it relates to the protection of environmental and public health.

**PH 392. Culminating Project Experience. 1-6 Credits.**
Prepares students to apply knowledge and skills in a culminating project experience that reflects research and practice needs of actual populations. Prerequisites: PH 301, PH 302, PH 303, PH 307.

**PH 395. Special Topics. 1-18 Credits.**
See Schedule of Courses for specific titles.

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