Public Health

Program Directors: Heather Dillaway and Kimberly Campbell-Voytal
Undergraduate Academic Advisors: Ranae Hamama and Margaret MacKeverican
http://clas.wayne.edu/public-health

Public health is the science of protecting and improving the health of people and their communities. This work is achieved by promoting healthy lifestyles, detecting and limiting health disparities, and researching disease and injury prevention. A large part of public health is also about promoting healthcare equity, quality and accessibility.

The College of Liberal Arts and Sciences offers training in a broad range of public health issues to undergraduate students interested in careers in both public health practice and applied public health research. Students will learn to ask questions, challenge assumptions, and explore answers to promote the health and well-being of communities locally, nationally and globally. In particular, students will learn how to be a catalyst for change in Detroit and beyond and facilitate health equity for years to come. Core courses in the public health major and minor allow students to gain competencies in the following areas:

- Social determinants of health
- Health disparities and health equity
- Environmental health
- Epidemiology
- Biostatistics
- Research methods and applied methodological approaches
- Public health practice

Students wishing to pursue the major or minor in Public Health should meet with a Program Director or the Undergraduate Academic Advisors in Public Health.

- Public Health (B.S.) (http://bulletins.wayne.edu/undergraduate/college-liberal-arts-sciences/public-health/public-health-bs)
- Public Health AGRADE (http://bulletins.wayne.edu/undergraduate/college-liberal-arts-sciences/public-health/agrade)

PH 2100 Introduction to Public Health Cr. 3
Satisfies General Education Requirement: Life Sciences, Natural Scientific Inquiry
Provides both an overview of the principles and practice of public health and basic information needed to understand and analyze a variety of individual-level and population-level health problems. This course is intended for students with no previous course work in public health. Offered Every Term.

PH 3100 Social and Behavioral Aspects of Public Health Cr. 3
Satisfies General Education Requirement: Social Inquiry, Social Sciences
Examines the social and behavioral aspects of health, illness, and health care, and help students develop a basic understanding of the societal factors that influence health status and public health interventions. Offered Every Term.

PH 3200 Introduction to Biostatistics Cr. 4
Provides an introduction to statistical methods used in biological and medical research and covers elementary probability theory, basic concepts of statistical inference, sampling theory, regression and correlation methods, analysis of variance, and study design. In addition, the course will examine statistical applications in biomedicine, epidemiology, public health and the life sciences. Offered Every Term.

Prerequisites: PH 2100 with a minimum grade of C and MAT Permit to Reg ACT/SAT with a test score minimum of 4 or Math Permit to Reg - L1-L4 with a test score minimum of 4 or STA 1020 with a minimum grade of C or MAT 1800 with a minimum grade of C or MAT 2010 with a minimum grade of C or MAT 2020 with a minimum grade of C or STA 2210 with a minimum grade of C

PH 3300 Epidemiology Cr. 4
Introduces the basic concepts of epidemiology as applied to public health problems. Emphasis is placed on the principles and methods of epidemiologic investigation, including the appropriate summaries, displays, and analysis of data, and the use of classical statistical and other methodological approaches to describe the health of populations. Offered Every Term.

Prerequisites: PH 2100 with a minimum grade of C and MAT Permit to Reg ACT/SAT with a test score minimum of 4 or Math Permit to Reg - L1-L4 with a test score minimum of 4 or STA 1020 with a minimum grade of C or MAT 1800 with a minimum grade of C or MAT 2010 with a minimum grade of C or MAT 2020 with a minimum grade of C or STA 2210 with a minimum grade of C

PH 3410 Global Health Cr. 3
Satisfies General Education Requirement: Global Learning Inquiry, Social Inquiry, Social Sciences
Introduces students to problems of disease and disorder worldwide and looks at various efforts to define and address these problems through a social science perspective. Offered Winter.

Equivalent: ANT 3410, GLS 3410

PH 3500 Environmental Health Cr. 3
Using a public health perspective, the course will provide students with an overview of the key areas of environmental health, and it will cover factors associated with the development of environmental health problems. Students will gain a system-level understanding of the interaction of individuals and communities with the environment, the potential impact of environmental agents on population, and specific applications of public health concepts to environmental health. Offered Every Term.

PH 3550 Geography and Public Health Cr. 3
Introduces the field of medical geography, or the study of geographic aspects of health and disease. Students will gain an understanding of how geography as a discipline contributes to an understanding health and health care, and how social and economic contexts impact health. Students will utilize mapping techniques to examine the spatial patterns of disease and risk factors that may contribute to disease. Offered Yearly.

Equivalent: US 3550

PH 3600 Special Topics in Public Health Cr. 3
Topics may include but are not limited to an examination of health in families, health in the workplace, health across the life course, health of urban communities, community health interventions, access to health care, and health services administration. Offered Intermittently.

Repeatable for 6 Credits
PH 3900 LGBT Health Cr. 3
Centers on LGBT voices and takes an intersectional socioecological approach to exploring social determinants of health, and a range of health outcomes and challenges in LGBT communities; and the implications for public health research, policy, and practice to improve LGBT health. Introduces students to key conceptual frameworks for understanding LGBT health across the lifespan and promoting health equity. Offered Yearly.
**Prerequisite:** PH 2100 with a minimum grade of C or PH 3100 with a minimum grade of C or GSW 2500 with a minimum grade of C or GSW 2600 with a minimum grade of C or SOC 1020 with a minimum grade of C or SOC 2202 with a minimum grade of C or SOC 2300 with a minimum grade of C
**Equivalent:** SOC 3900

PH 4050 Crime and Public Health Cr. 3
Introduces students to the interface between public health and criminal justice in the United States, focusing on different aspects of the relationship. It will first describe the newly emerged epidemiological criminology, and then analyze a variety of topics on crime and public health, including, but not limited to, the health of incarcerated populations, the health of criminal justice professionals, health consequences of crime and risk behaviors, public health and law, gangs and gang violence, mental health and substance abuse, environmental justice, and public health interventions with criminal justice populations. Offered Winter.
**Equivalent:** CRJ 4050

PH 4100 Public Health Principles and Practice Cr. 2
This required course examines practice-based approaches to improve public health. The focus will be on learning methods for community health improvement, from assessment to finding and implementing evidence-based public health interventions. Offered Every Term.
**Prerequisites:** PH 2100 with a minimum grade of C and PH 3100 with a minimum grade of C and PH 3200 with a minimum grade of C and PH 3300 with a minimum grade of C
**Corequisite:** PH 4150
**Restriction(s):** Enrollment limited to students with a class of Senior; enrollment is limited to students with a major in Public Health or Public Health Honors.

PH 4150 Public Health Practicum Cr. 2
This required course is a practice-based experience that provides a hands-on, diverse approach to learning about public health practice. Students will complete a 90-hour practicum experience in a local community organization or other public health setting. Offered Every Term.
**Prerequisites:** PH 2100 with a minimum grade of C and PH 3100 with a minimum grade of C and PH 3200 with a minimum grade of C and PH 3300 with a minimum grade of C
**Corequisite:** PH 4100
**Restriction(s):** Enrollment limited to students with a class of Senior; enrollment is limited to students with a major in Public Health or Public Health Honors.

PH 4400 Methodological Approaches in Public Health Cr. 4
This course provides students with a review of methodological approaches in public health. Students will analyze the benefits and costs of each methodological approach, and how to best apply each method in real-world settings. Students will also critically assess scientific literature in core areas of public health. The content and assignments for this course are designed to prepare students for the Capstone Course (PH 5100). Offered Every Term.
**Prerequisites:** PH 2100 with a minimum grade of C and PH 3100 with a minimum grade of C and PH 3200 with a minimum grade of C and PH 3300 with a minimum grade of C
**Restriction(s):** Enrollment is limited to students with a major in Public Health or Public Health Honors.

PH 4600 Special Topics in Health Disparities Cr. 3
Topics may include but are not limited to an examination of health disparities by race or ethnicity, gender, income, age, nationality, or residential location. Offered Intermittently.
**Repeatable for 6 Credits**

PH 4900 Directed Study in Public Health Cr. 1-3
Course requirements include directed readings and participation in public health research, under the direct supervision of a faculty member affiliated with the Bachelors in Public Health program. Offered Every Term.
**Repeatable for 3 Credits**

PH 5100 Capstone Course in Public Health Cr. 4
Satisfies General Education Requirement: Writing Intensive Competency
This capstone course provides the culminating curricular experience for students enrolled in Wayne State's Bachelor's program in Public Health. A major part of the final course grade is based on the student's completion of an individualized capstone project. Offered Every Term.
**Prerequisites:** PH 2100 with a minimum grade of C and PH 3100 with a minimum grade of C and PH 3200 with a minimum grade of C and PH 3300 with a minimum grade of C and PH 4100 with a minimum grade of C and PH 4150 with a minimum grade of C and PH 4400 with a minimum grade of C