Population Health (HLTH)

Courses

**HLTH 2010. Health & Disease. 3 Hours.**
Introduction to the science of health and disease, both communicable and non-communicable, including history, etiology, prevalence, symptoms, treatment and ways to prevent disease and protect health across the lifespan. FA, SP.

**HLTH 2700. Consumer Health Issues. 3 Hours.**
This course examines factors associated with the marketplace for health-related products and services. Topics will include medical quackery, fraudulent health practices; laws and agencies protecting the consumer. FA, SP.

**HLTH 3010. Population & Community Health. 3 Hours.**
Highlights the concepts of population health and interdisciplinary collaboration for health and the basic processes and interventions used to address the health needs of communities. The course will also introduce students to the history, philosophy, functions and core values of public health in the U.S. and the world. FA, SP.

**HLTH 3020. U.S. & World Health Systems. 3 Hours.**
Provides students with a comprehensive survey of the organization and management of the US health care system, including history, regulation, structure, economics, operations, and current issues, as well as a comparison of health systems worldwide. FA, SP.

**HLTH 3040. Environmental Health. 3 Hours.**
Provides a foundation for understanding how both natural and built environments affect human health. Topics will include human-environment interaction, pollution, sanitation, air, water and food quality, relationship to infectious disease, climate change and other current environmental health issues. FA, SP.

**HLTH 3385. Healthcare Quality and Safety. 3 Hours.**
Covers best practices relative to patient healthcare quality and safety. FA, SP.

**HLTH 3500. Financial Analysis. 3 Hours.**
Introduces students to the fundamental principles and practices of accounting and finance needed by non-finance managers in health care organizations, including an introduction to budgeting, revenue and expenses, payroll, financial statements, and the economics of decision making. FA, SP.

**HLTH 3600. Patient Navigation. 3 Hours.**
This course will provide student with an understanding of the barriers to patient healthcare. In addition, this course will help students develop the skills and competencies to become an affective patient navigator. FA, SP.

**HLTH 3750. Health Determinants & Disparities. 3 Hours.**
Focuses on the biological, environmental, behavior, social and economic factors that influence individual and community health and disease; emphasis will be given to the interaction between these factors, including personal lifestyle decisions and social determinants of health. Students will also be introduced to the U.S. Health people, goals, objectives and measures. FA, SP.

**HLTH 3800. Genetics & Disease. 3 Hours.**
This course covers the principles of human genetics, including the mapping of disease genes, defects causing human disease, the cloning of disease genes, gene therapy, transgenes, and specific pathological disorders. FA, SP.

**HLTH 3900. Infectious Disease. 3 Hours.**
Course covers the basic concepts of infectious diseases and dynamics of disease transmission. From an initial review of some common terms, students progress into detailed discussions on how pathogens establish themselves within a host to sustain an infection. FA, SP.

**HLTH 4010. Biostatistics & Epidemiology. 2 Hours.**
Covers principles and methods of epidemiologic investigation and the use of classical statistical approaches to describe the health of populations. Dual listed with DHYG 4010. Students may only take one course for credit. FA, SP.

**HLTH 4020. Research Methodology. 2 Hours.**
Covers fundamental and working knowledge of scientific method employed in population health research. Students will perform critical analysis of research utilizing scientific method and evidence-based publications. Dual listed with DHYG 4020. Students may only take one course for credit. FA, SP.

**HLTH 4030. Leadership & Group Dynamics. 2 Hours.**
Focuses on the theories, concepts, and principles of leadership; emphasizes the development of leadership skills related to personal behavior, communication, organization, and self-examination; and explores the opportunity to develop leadership roles appropriate to the population health profession. Dual listed with DHYG 4030. Students may only take one course for credit. FA, SP.

**HLTH 4300. Healthcare Marketing. 3 Hours.**
Introduces students to the fundamental marketing concepts and strategies as related to delivery of health care, including, market analysis, competition, marketing mix, promotional strategy, patient-consumer psychology, and regulatory limitations. FA, SP.
HLTH 4310. Health Promotion. 3 Hours.
Introduces the principles of health promotion, including community assessment, asset mapping, coalition building, and advocacy. Students will learn how to successfully plan and implement community-based programming and to evaluate its effectiveness. FA, SP.

HLTH 4400. Health Law & Policy. 3 Hours.
Emphasizes the basic legal, regulatory, economic and ethical issues impacting health care and public health systems, including the roles of various governmental agencies and branches. The course will also discuss advocacy and other methods to influence law and policy. FA, SP.

HLTH 4500. Global Health. 3 Hours.
Provides students with in-depth coverage of the social, cultural, economic, environmental, climatological and political issues that determine the health status of global populations and that can lead to disparities among nations. Course also highlights local and regional influences on global health and potential remedies. FA, SP.

HLTH 4790. Management of Healthcare Organizations & Strategy. 3 Hours.
This course focuses on management issues specific to health care organizations. Topics will include responding to market changes and patient expectations, adopting and creating innovation, analyzing and adapting to change to improve performance, job designs and roles in health care organizations, interdisciplinary team-based work, working within health care regulation, integrating health care technology and other current topics. FA, SP.

HLTH 4910R. Population Health Capstone. 1-3 Hours.
Designed as an academic cumulative experience allowing students to demonstrate competence in integrating concepts across the curriculum and will include the creation of a professional project. Additionally, the course will prepare students for their professional internship experience and reinforce concepts such as ethics, professionalism, networking, organizational dynamics, teamwork and leadership. Prerequisites: HLOC 1000 and HLOC 1010 and HLTH 2010 and HLTH 3010 and HLTH 3020 and HLTH 4010 (all Grade C- or higher) and a cultural competence/diversity course. FA, SP.

HLTH 4920R. Population Health Internship. 1-6 Hours.
Course is designed to provide students with community-based practical experience that will allow them to observe real-life practice and provide opportunity to demonstrate mastery of professional skills in a health community setting. Prerequisites: Instructor permission required. FA, SP.