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► NURS 421—Perspectives in Global Health | 5
Reviews global health concepts and the network of organizations working to advance health care internationally.

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Focuses on the health attitudes, beliefs, and practices of patients and health care professionals of culturally diverse populations in the United States.

► HS 494/HS 594—Topics in Health Equality, Inequities and Disparities | 7
Explores the field of study of equality, inequities and disparities in health and health care.

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Explores aspects of health sciences research among vulnerable populations in domestic and global settings.

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Course covers the economic theory of health care, economic theory and methods as they apply to health insurance, health care delivery, and population health; and economic evaluation methods in health care.

► NURS 672—Teacher Strategies in Nursing | 10
Provides an introduction to the role and function of the nurse involved in staff development, patient education and a faculty role.

► HS 807—Management and Analysis of Large U.S. Data Sets | 11
A general overview of the principles, concepts, and methods of data management and analysis of large sources of national health data.
About this course

Introduces the roots of gender-based violence, the social and cultural context in which it occurs, the mental and physical health impacts, justice and restitution frameworks, and will explore approaches to changing those structures in order to reduce or end it. Students will develop the skills to think critically about the local and global impact of gender-based violence, how it intersects with other forms of oppression, and to develop an understanding of these issues.

About your professor

Michelle Munro-Kramer’s program of research focuses on trauma, comprehensive care of vulnerable populations, and missed opportunities for care within domestic and international contexts. Her research projects approach these topics using a trauma-informed and patient-centered lens.
About this course
Introduces global health concepts and the network of organizations working to advance health care internationally. Emphasis is on global burden of disease, determinants of health and importance of interdisciplinary approach to health care delivery. It will provide students with a broad introduction to programs, systems and policies affecting global health.

About your instructor
Megan Eagle provides primary health care services to underserved populations. She researches the health care needs of uninsured adults in Washtenaw County and strategies for addressing maternal mortality in rural areas. She has served as a clinical preceptor to adult and family nurse practitioner students and also supervised clinical placements for students from the Schools of Social Work, Pharmacy, and Medicine. She is fluent in both English and Spanish.
About this course

Focuses on the health attitudes, beliefs, and practices of patients and health care professionals of culturally diverse populations in the United States. Socioeconomic-political factors that influence health care delivery and health seeking behavior will be explicated. Emphasis will be placed on strategies to facilitate inter/intracultural communication and inter/intragroup dynamics in health care settings.

About your professor

Patricia Coleman-Burns has focused her career on retention and successful learning behaviors of underrepresented nursing students; health disparities and social justice in patient-centered care and providers’ behaviors; Black ideology; and the Colored Women’s Club Movement. She is an advocate for the right of all persons to be free from gender oppression, sexism, racism, and violence. She has served as the co-chairperson of U-M’s Violence against Women Taskforce as well as serving on several advisory committees on diversity, multicultural and women’s issues.
HS 494/HS 594—Topics in Health Equality, Inequities & Disparities

Patricia Coleman-Burns, Ph.D.
Assistant Professor Emerita

Credits: 3

Prerequisites: Open to undergraduates

About this course

Explores the field of study of equality, inequities and disparities in health and health care. Pursuing specific areas of theory and research in health disparities, this course provides the philosophical and theoretical foundation essential for the development of the scientist. Students will explore and critique the current state of the science in health disparities with an emphasis placed on defining concepts, developing methods and measures, examining the analytics and contemporary research on health inequalities, disparities, inequities/equity, and social determinants of health and social justice. The field of study of health equality, inequalities, and disparities is inherently interdisciplinary; faculty and guest lectures include several disciplines. Meets the elective requirements for a minor or concentration in global or health equity.
About this course

The primary goal of this course is to review and discuss aspects of health sciences research among vulnerable populations in domestic and global settings, including women, children, sexual and race/ethnic minorities, economically disadvantaged, and other populations. Health disparities, social determinants of health, cultural awareness, social responsibility, and ethical issues around specific vulnerable populations will be explored as they influence scientific research development and operations.

Students will apply key principles of health science and clinical research methodology to leading global health problems with high burden of disease among vulnerable populations.

About your professor

Erin Kahle’s research focuses on HIV prevention and management, with a specific focus on developing HIV prevention programs incorporating biomedical prevention tools with behavioral interventions. Her research efforts include understanding barriers to implementing biomedical HIV prevention programs, including pre-exposure prophylaxis (PrEP), at the provider, individual and community level to better design effective programs aimed at reducing HIV transmissions among sexual minorities and in resource limited settings.
About this course

Applied to health care, economics is a study of the efficient organization of health care delivery to achieve high quality and affordable health care and improved population health. The course is structured as a progressive application of increasingly more advanced economic theories and analysis methods to a set of topics, with each subsequent topic building upon theories and methods learned in the previous topics. The course will cover the economic theory of health care, economic theory and methods as they apply to health insurance, health care delivery, and population health; and economic evaluation methods in health care.

About your professor

Olga Yakusheva is an economist with interests in health services research, obesity, and fertility. Her health services work focuses on nurse education, nurse productivity, and patient outcomes in acute care. She is currently expanding her work to include maternal and child health.
About this course

Provides an introduction to the role and function of the nurse involved in staff development, patient education and a faculty role. Following the consideration of philosophies and theories of teaching and learning, students will focus on applying the principles of curriculum and training program development for nursing through an understanding of the characteristics of learners, analysis of needs assessments, development of instructional objectives and design of a course. A variety of both traditional and innovative teaching and evaluation methodologies will be explored as will the process of course construction. An individual practical application assignment in designing and presenting a course module will facilitate development of knowledge and skill.

About your professor

Milisa Manojlovich is the only nurse scientist in the country to lead a highly productive team seeking to advance patient safety by improving communication between physicians and nurses. This topic is of critical importance because poor interdisciplinary communication is one of the most common contributors to tens of thousands of adverse events for patients every year, including death. She is confronting the problem of poor communication on two fronts - conceptual and methodological - to provide the greatest impact on patient safety.
About this course

Provides a general overview of the principles, concepts, and methods of data management and analysis of large sources of national health data. Students will be guided through exercises designed to provide hands-on experience with a focus on leveraging publicly available data to answer health-related questions. Students will become proficient at data management (importing/exporting, cleaning, and combining data files), analysis (basic descriptive measures and applied regression), and designing an analytic work flow in order to examine a relationship between an exposure and health outcome. Students will also be introduced to complex survey design methods, common approaches to building statistical models, and methods of risk adjustment.

About your professor

Matt Davis is a health services researcher who has additional training in data science. His research focuses on leveraging large sources of data to study important policy-relevant issues. He has made several important contributions to a variety of areas including the identification of dietary sources of arsenic exposure in the U.S. population, studying national use of health services over time for nonspecific back pain, and the development of methods to use social media data to measure social support and public opinion. A specific interest of his is the application of data mining methods to health care claims data.