HEALTH SCIENCES (HSCI)

HSCI 405 Environmental Health for Health Science Professionals 3 Credit Hour(s)
This course explores people's relationship with their environment, the risk management choices made, and the resulting associations that affect the health and physical well-being of individuals, communities, and susceptible populations. Environmental factors, including biological, physical, and chemical factors that affect the health of a community will be introduced. The course focuses on the science and practice of preventing injury and illness from exposure to environmental hazards.
Offered: Online

HSCI 410 Data Visualization for Health Professionals 3 Credit Hour(s)
Online Prerequisite: Any HLTH or HSCI course with a score of 5
The theory and practice related to effective, efficient, and accurate presentation and interpretation of complex health care clinical and administrative data/information will be presented.
Registration Restrictions: Successful completion of any 100-400 level HLTH or HSCI course with a grade of D or higher
Offered: Online

HSCI 425 Prevention and Control of Infectious Disease for Health Science Professionals 3 Credit Hour(s)
This course provides the student with the knowledge base necessary to understand the basic mechanisms of infectious disease transmission, to select specific preventive methodologies in the control of specific diseases, and to communicate the rationale for the various control methods. Major infectious diseases of historical significance through the modern era will be examined.
Offered: Online

HSCI 426 Vaccines and Immunology for Health Science Professionals 3 Credit Hour(s)
This course provides an overview of the human body's immune system. Both normal and abnormal immune system functioning will be studied. The course will also examine vaccine development and will discuss basic disease protection provided by vaccines.
Offered: Online

HSCI 442 Food-borne Illness Prevention for Health Science Professionals 3 Credit Hour(s)
This course examines the foundation of food contaminants throughout the farm to fork continuum with emphasis on the prevention of food-borne illnesses. The role of government initiatives and developments in current research regarding U.S. and global food-borne illnesses will be explored.
Offered: Online