HEALTH SCIENCES (HSCI)

HSCI 1000 - Introduction to Health Sciences
Credit(s): 1 Credit
This course provides students with an overview of representative components encountered while navigating through the healthcare system. Identification and exploration of research opportunities, careers, emerging issues, and terminology associated with the health sciences are covered.
Restrictions:
Enrollment is limited to students with a program in Health Sciences.

HSCI 2000 - The U.S. Health Care System
Credit(s): 3 Credits
The purpose of this course is to introduce the U.S. Healthcare system and identify the impact historical and current healthcare policies have had or may have on healthcare delivery. Global healthcare systems will also be explored.
Restrictions:
Enrollment is limited to students with a program in Health Sciences, Magnetic Resonance Imaging, Nuclear Medicine Tech or Radiation Therapy.

HSCI 2500 - Human Development across the Lifespan
Credit(s): 3 Credits
This course will explore the developmental process throughout the lifespan including physical, motor, social and some personality development.
Restrictions:
Enrollment limited to students in the Doisy College Health Sciences college.

HSCI 3200 - Health Law and Policy
Credit(s): 3 Credits
This course will provide the student with a study of law and legal concepts as they apply to the practice of health. Emphasis is on privacy and confidentiality, health record documentation standards; and informed consent and ethical issues in healthcare.
Prerequisite(s): (HSCI 2000 with a grade of C or higher or IPE 3500 with a grade of C or higher)
Restrictions:
Enrollment is limited to students with a program in Health Sciences, Magnetic Resonance Imaging, Nuclear Medicine Tech or Radiation Therapy.

HSCI 3700 - Research Methods
Credit(s): 3 Credits
This course will define research methods and its importance for improving the health care of society. This course will also focus on the research process and the relationship between theory, data and statistical methods. Lab includes sessions in R Studio.
Prerequisite(s): (MATH 1300 with a grade of C or higher, STAT 1300 with a grade of C or higher, or OPM 2070 with a grade of C or higher); ENGL 1900
Restrictions:
Enrollment is limited to students with a major in Health Information Mgmt, Health Sciences, Magnetic Resonance Imaging, Nuclear Medicine Tech or Radiation Therapy.

HSCI 4000 - Neuroscience in Everyday Life
Credit(s): 3 Credits
This course will explore the translation of neuroscience into understanding our behavior and actions in daily life. Broad applications for life decisions such as education, employment, sexuality, health and lifestyle will be explored, in addition to understanding adverse health events such as a stroke, traumatic brain injury, dementia, developmental defects, and mental health disorder in the context of neuroscience as it is applied to life choices. (Offered every Fall)
Prerequisite(s): HSI 2200 with a grade of C or higher; (HSI 3300 with a grade of C or higher, HSI 3400 with a grade of C or higher, PPY 2540 with a grade of C or higher, or ANAT 1000 with a grade of C or higher); Minimum Earned Credits of 90
Restrictions:
Enrollment is limited to students with a major in Health Sciences.

HSCI 4100 - Healthcare Technology
Credit(s): 3 Credits
This course will show how technology shapes and redefines healthcare. Students will analyze various new healthcare technologies including the electronic health record and determine how they affect the healthcare system.
Prerequisite(s): HSCI 2000 with a grade of C or higher; Minimum Earned Credits of 90; HSCI 3200 with a grade of C or higher
* Concurrent enrollment allowed.
Restrictions:
Enrollment limited to students with a classification of Junior or Senior.
Enrollment is limited to students with a major in Health Sciences.

HSCI 4500 - Hot Topics in Health Care
Credit(s): 3 Credits
This course will focus on examining key issues confronting healthcare today. The students will reflect on current issues and trends facing healthcare.
Prerequisite(s): HSCI 4000 with a grade of C or higher; HSCI 4100 with a grade of C or higher
Restrictions:
Enrollment limited to students with a classification of Senior.
Enrollment is limited to students with a major in Health Sciences.

HSCI 4600 - Consumer Healthcare Technology
Credit(s): 3 Credits
This course will teach students how to bridge the gap between patients and their health resources. They will determine the consumer’s needs for health information and will include health literacy issues and the personal health record.
Prerequisite(s): HSCI 4100 with a grade of C or higher
Restrictions:
Enrollment limited to students with a classification of Senior.
Enrollment is limited to students with a major in Health Sciences.
HSCI 4700 - Quality Management
Credit(s): 3 Credits
This course focuses on the elements of healthcare quality and human resource management. Human resources in healthcare present the concepts and tools for understanding healthcare employment industry and the challenge of managing healthcare employees. Healthcare quality management presents the basic principles and techniques of quality management in healthcare to achieve safety, quality and efficiency goals. (Offered every Spring)
Prerequisite(s): HSI 2100 with a grade of C or higher; (HSCI 3700 with a grade of C or higher, HIM 4200 with a grade of C or higher, or ORES 2320 with a grade of C or higher)
Restrictions:
Enrollment limited to students with a classification of Senior.
Enrollment is limited to students with a program in Health Sciences, Magnetic Resonance Imaging, Nuclear Medicine Tech or Radiation Therapy.