HEALTH SCIENCE AND INFORMATICS (HSI)

HSI 2100 - Health Care Management  
Credit(s): 3 Credits  
This course will discuss management and project management from the standpoint of a healthcare manager who must organize, plan, implement and control tasks. Students will learn to apply management theory and project management tools and techniques to achieve an organization’s schedule, budget and performance objectives.  
Restrictions:  
Enrollment is limited to students with a program in Health Information Mgmt, Health Sciences, Magnetic Resonance Imaging, Nuclear Medicine Tech or Radiation Therapy.

HSI 2200 - Medical Terminology  
Credit(s): 3 Credits  
This comprehensive online course teaches the basic language related to medical science and allied health professions; word analysis, construction, pronunciation, spelling, definition, and use of terms pertaining to anatomy, pathology, disease, abbreviations, and medical procedures.  
Restrictions:  
Enrollment limited to students in the Doisy College Health Sciences college.

HSI 3300 - Anatomy & Physiology I  
Credit(s): 3 Credits  
This course provides a comprehensive study of the structure and function of the human body. Topics include anatomical terminology; body organization; homeostasis; cytology; histology; and the integumentary, skeletal, muscular, and nervous systems. Offered in fall.  
Prerequisite(s): HSI 2200* with a grade of C or higher; (CHEM 1083 with a grade of C or higher, CHEM 1110 with a grade of C or higher, or BIOL 1240 with a grade of C or higher)  
* Concurrent enrollment allowed.  
Restrictions:  
Enrollment limited to students in the Doisy College Health Sciences college.

HSI 3310 - Anatomy & Physiology I Lab  
Credit(s): 1 Credit  
This lab is a supplement to the Anatomy and Physiology I lecture (HSI 3300) and will cover the same topics. Laboratory work includes interactive study using detailed models, microscopic study, lab activities, multimedia presentations, and group learning.  
Prerequisite(s): (BIOL 1100 with a grade of C- or higher, CHEM 10B3 with a grade of C- or higher, CHEM 1110 with a grade of C- or higher, or BIOL 1240 with a grade of C- or higher)  
Restrictions:  
Enrollment limited to students in the Doisy College Health Sciences college.

HSI 3400 - Anatomy & Physiology II  
Credit(s): 3 Credits  
This course is a continuation of Anatomy and Physiology I (HSI 3300). Topics include general and special senses; hemocytology; fluid and electrolyte balance; and the cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems.  
Prerequisite(s): HSI 2200* with a grade of C or higher; (CHEM 1083 with a grade of C or higher, CHEM 1110 with a grade of C or higher, or BIOL 1240 with a grade of C or higher)  
* Concurrent enrollment allowed.  
Restrictions:  
Enrollment limited to students in the Doisy College Health Sciences college.

HSI 3410 - Anatomy & Physiology II Lab  
Credit(s): 1 Credit  
This lab is a supplement to the Anatomy and Physiology II lecture (HSI 3400) and will cover the same topics. Laboratory work includes interactive study using detailed models, microscopic study, lab activities, multimedia presentations, and group learning.  
Prerequisite(s): (BIOL 1100 with a grade of C- or higher, CHEM 1083 with a grade of C- or higher, CHEM 1110 with a grade of C- or higher, or BIOL 1240 with a grade of C- or higher)  
Restrictions:  
Enrollment limited to students in the Doisy College Health Sciences college.