

HSCI: HEALTH SCIENCE

HSCI 1010 Introduction to Epidemiology (4 Credits)

This course is designed to provide an exploration of the basic principles of epidemiology. Students will learn how to identify and describe problems, formulate research hypotheses, select appropriate research study designs, and apply the results to prevent and control disease and health-related events. They will also acquire a solid foundation of basic causal theory for identifying determinants of adverse health-related states or events and will gain a better understanding of the biological principles underlying the natural causes of disease.

Attributes: Natural Science Gen Ed, *Natural Science Gen Ed, Liberal

HSCI 1200 Medical Terminology (4 Credits)

In this course, students develop a working knowledge of the language of medicine. Students acquire word-building strategies by learning prefixes, suffixes, roots, and abbreviations. By relating terms to body systems and medical specialties, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to communicate in health care settings, whether in the role of health care professional, patient, or advocate.

Attributes: Liberal

HSCI 1998 Individualized Studies in Health Science (HSCI) (1-8 Credits)

Students have the opportunity to develop individualized studies with their mentor in Health Science (HSCI). Registration for this class must be approved by the student's mentor.

HSCI 2998 Individualized Studies in Health Science (HSCI) (1-8 Credits)

Students have the opportunity to develop individualized studies with their mentor in Health Science (HSCI). Registration for this class must be approved by the student's mentor.

HSCI 3200 Health Informatics (4 Credits)

The improved use of data and communication of information is a vital component to improving health care and public health. Health informatics is the integration of information systems into the health fields, such as health care, public health and health services. The course will explore the concepts of health care informatics, health information management, the types of data and use of data. Topics that will be introduced include implementation and use of systems as well as organizational dynamics. Consideration of ethical issues and the implication of regulatory requirements related to the use of health information and information systems will be included in the course. This course was previously SMT-273124 Health Informatics. Prerequisites: The United States Health Systems (HLAD 2010) or equivalent.

Attributes: Liberal

HSCI 3998 Individualized Studies in Health Science (HSCI) (1-8 Credits)

Students have the opportunity to develop individualized studies with their mentor in Health Science (HSCI). Registration for this class must be approved by the student's mentor.

HSCI 4200 Epidemiology (4 Credits)

Epidemiology is the examination of disease and health conditions from a population perspective. This course will review concepts of epidemiology as applied to public health. Students will learn how to apply principles of epidemiology to assess, evaluate, and solve public health issues. This course is part of the BS in Public Health program. Prerequisites: Statistics (MATH 1065) or Statistics for the Social Sciences (SOSC 2010), Biology I with Lab (BIOL 1200), and Biology II with Lab (BIOL 1201) or equivalents.

Attributes: Liberal

HSCI 4998 Individualized Studies in Health Science (HSCI) (1-8 Credits)

Students have the opportunity to develop individualized studies with their mentor in Health Science (HSCI). Registration for this class must be approved by the student's mentor.