

HEALTH STUDIES MAJOR

Courses

RLST 1001 Religion and the Critical Mind

3 Credits

Attributes: RSST Religious Studies Major Track

This course examines some of the themes in the study of religion and offers a comparative analysis of the nature, function, and purpose of religion as found in a variety of models of religion. A wide variety of contemporary religious practices will serve as discussion points for scholarly analysis.

BIOL 1088 Biomedical Science and Society

3 Credits

Attributes: HSST Health Studies: Science and Technology, MSID Magis Core: Interdisciplinary

This core science course will engage students in inquiry-based scientific methodology through exploration of specific topics in biomedical science related to human health and disease. The course will explore four biomedical topics. Each topic will include approaches and contributions from chemistry and mathematics, so students appreciate the inherently interdisciplinary nature of science. The course will cover biomedical concepts, quantitative skills, the collection and analysis of data, and guided activities that utilize approaches from all three fields to address biomedical questions. The societal impact and implications of each topic will also be explored.

CHEM 1184 General Chemistry for Health Science

3 Credits

Attributes: EDCG Educational Studies Cognate, HSST Health Studies: Science and Technology

Corequisite: CHEM 1184L.

This course introduces the general principles of chemistry (matter and measurement, atomic and molecular structure, energetics, acids and bases, oxidation, and reduction) in a manner that prepares students to relate to properties of organic materials and biologically relevant substances such as carbohydrates, lipids, peptides, proteins, and nucleic acids. The course focuses on general principles and introduces organic and biologically relevant substances. This course is directed to School of Nursing students and students in the Health Studies minor.

CHEM 1184L General Chemistry for Health Science Lab

1 Credit

Fee: \$120 Science Lab Fee

Corequisite: CHEM 1184.

This lab illustrates lecture concepts of CHEM 1184 and allows students to observe relevant physical systems.

BIOL 1107 Human Anatomy and Physiology I

4 Credits

Attributes: BPMB Biology Physiology Block, HSST Health Studies: Science and Technology

Corequisite: BIOL 1107L.

Homeostasis is the major theme of this course, with form and function covered together each semester. This course introduces the student to anatomical terminology, homeostasis and feedback control, membrane physiology, and tissues followed by the integumentary, skeletal, muscular, and nervous systems. A strong chemistry background is recommended. Open to nursing majors only.

NURS 1112 Healthcare Delivery Systems

3 Credits

Attributes: DEIE Diversity, Equality, and Inclusion Elective, EDCG Educational Studies Cognate, HSTE Health Studies: Traditions, Delivery, and Ethics

The health care delivery system is explored from a historical, economic, political, and health information technology perspective. Emphasis is given to social, ethical, and legal aspects of the current system that remain unresolved, such as access to care, health disparities, and equity. The history and progression of healthcare reform and its influence on our current healthcare system performance will be analyzed. Global health issues and their impact on the delivery of health care services are discussed, along with consumer use of complementary and alternative therapies. This course is designed to give an inter-professional perspective to students interested in health care from any field of study. 42 theory hours.

BIOL 1107L Human Anatomy and Physiology I Lab

0 Credits

Fee: \$120 Science Lab Fee

Corequisite: BIOL 1107.

Laboratory work closely follows the BIOL 1107 lecture and includes microscopic anatomy (histology), use of virtual cadaver (Anatome Table), anatomical models, human skeletons, and dissections for study of gross anatomy, and physiology experiments including muscle recruitment measurements, reflex tests and cranial nerve tests.

BIOL 1108 Human Anatomy and Physiology II

4 Credits

Attributes: BPMB Biology Physiology Block, HSST Health Studies: Science and Technology

Corequisite: BIOL 1108L.

Prerequisite: BIOL 1107.

Homeostasis is the major theme of this course, with form and function covered together each semester. This course continues with the endocrine, cardiovascular, lymphatic, respiratory, urinary, digestive, and reproductive systems. A strong chemistry background is recommended. Open to nursing majors only.

BIOL 1108L Human Anatomy and Physiology II Lab

0 Credits

Fee: \$120 Science Lab Fee

Corequisite: BIOL 1108.

Laboratory work closely follows the BIOL 1108 lecture and includes microscopic anatomy (histology), use of virtual cadaver (Anatome Table), anatomical models, and dissections for study of gross anatomy, and physiology experiments including blood pressure measurements, blood typing, lung function, and urinalysis.

PSYC 1110 Lifespan Development

3 Credits

The course encompasses a developmental psychology approach to the growth of the individual from birth to old age, tracing motor, perceptual, language, cognitive, and emotional growth and emphasizing normal development. This course is primarily for nursing majors.