

# HEALTH STUDIES MAJOR

## Courses

### **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. Previously BI 0107.

### **BIOL 1107L Human Anatomy and Physiology I Lab** 0 Credits

**Fee:** \$110 Science Lab Fee

**Corequisite:** BIOL 1107.

Laboratory work closely follows the BIOL 1107 lecture and includes microscopic anatomy (histology), use of virtual cadaver (Anatomege 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. Previously BI 0107L.

### **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. Previously BI 0108.

### **BIOL 1108L Human Anatomy and Physiology II Lab** 0 Credits

**Fee:** \$110 Science Lab Fee

**Corequisite:** BIOL 1108.

Laboratory work closely follows the BIOL 1108 lecture and includes microscopic anatomy (histology), use of virtual cadaver (Anatomege Table), anatomical models, and dissections for study of gross anatomy, and physiology experiments including blood pressure measurements, blood typing, lung function, and urinalysis. Previously BI 0108L.

### **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. Previously CH 0084.

### **CHEM 1184L General Chemistry for Health Science Lab** 1 Credit

**Fee:** \$110 Science Lab Fee

**Corequisite:** CHEM 1184.

This lab illustrates lecture concepts of CHEM 1184 and allows students to observe relevant physical systems. Previously CH 0084L.

### **NURS 1110 Introduction to Professional Nursing** 3 Credits

This course serves as a foundation to the development of the nurse as a professional person. Central to this is the awareness and acceptance of self. The process of clinical reasoning as an approach to the planning and delivery of nursing care to individuals, families, groups and communities is introduced. Discussion of nursing's history and accomplishments serves as the cornerstone for professional behaviors, including: scholarship, communication, collaboration, personal responsibility, accountability, integration of evidence based practice and peer- and self-evaluation. 42 theory hours. Previously NS 0110.

### **NURS 1112 Healthcare Delivery Systems** 3 Credits

**Attributes:** DEIE Diversity, Equality, and Inclusion Elective, EDCG Educational Studies Cognate, EDDV Educational Studies Diversity, 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. Previously NS 0112.

### **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. Psychology majors and students who have taken PSYC 2110 or PSYC 2150 may not take this course. Previously PY 0111.

### **SPAN 2220H Advanced Spanish for Heritage Speakers** 3 Credits

**Attributes:** MWAC Magis Core: Writing Across Curriculum, SPME Spanish Major or Minor Elective

**Prerequisite:** Placement exam.

This course is directed at heritage speakers of Spanish, that is, students with personal background and prior instruction in Spanish who already possess functional communication abilities in the language. It will prepare students for upper-division literature, culture, linguistics, and translation courses by focusing on the development of advanced reading, writing, and oral abilities in Spanish. Emphasis will be placed on the main stages of the writing process through continuous practice inside and outside of the classroom. The class will use news articles, films, literary works, and other cultural texts. It will be conducted entirely in Spanish. Previously SP 0220H.