BIOL 1108L: Principles of Biology II Laboratory

1 Credit Hours

Concurrent: BIOL 1108

Laboratory exercises supplement the lecture material of BIOL 1108. Students will examine phylogenetics, organismal diversity, ecological principles, and physiology through a combination of lab observations and hypothesis-testing experiments. Students are also expected to perform a fetal pig dissection in order to explore vertebrate anatomy. Application of the methods of experimental design, data analysis, and data presentation will be a major component of this course.

BIOL 2099L: Biology Teaching Assistant

1 Credit Hours

Prerequisite: Greater than 60 credits with at least a 3.0 GPA

Students will have an opportunity to assist in the lab portion of a biology course. Students will learn peer-to-peer communication skills, develop a deeper mastery of biological concepts, and enhance their leadership potential as they guide other students through the learning process.

BIOL 2251: Anatomy & Physiology I

3 Credit Hours

Prerequisite: (CHEM 1151 and CHEM 1151L) or (CHEM 1211 and CHEM 1211L) or (PHYS 1111 and PHYS 1111L) or (BIOL 1107 and BIOL 1107L) or (BIOL 1108 and BIOL 1108L)

This lecture course is the first course in a two-semester sequence designed to explore the biological and chemical processes underlying the structure and function of the human body at the cellular, tissue, organ, and whole-body level. Topics to be covered include, but are not limited to, biological chemistry; cellular structure and function; tissues; and the integumentary, skeletal, muscular, and nervous systems. This course is designed primarily for non-biology majors, especially those pursuing majors in nursing and the allied health professions. Cannot be used for credit toward a degree in Biology.

BIOL 2251L: Anatomy & Physiology I Laboratory

1 Credit Hours

Concurrent: BIOL 2251

This course is the laboratory component of BIOL 2251. It is designed to provide hands-on experiences that will enhance and reinforce the content covered in BIOL 2251 including basic anatomy and physiology of the skeletal, nervous, and muscular systems as well as basic histology. Structural and functional relationships will be emphasized.