

BIOL 4422K: Plant Ecology

4 Credit Hours

Prerequisite: BIOL 1108 and BIOL 1108L

Students will learn aspects of physiological responses of plants to their environment, methods to determine plant population growth and plant distribution patterns, as well as interactions among plants and other organisms. They will use science as a process and learn to argue scientific points of view persuasively. Students will also learn to use classical and modern technologies to address questions in plant ecology.

BIOL 4431: Human Physiology

3 Credit Hours

Prerequisite: (BIOL 1108 and BIOL 1108L) and (CHEM 1212 and CHEM 1212L)

This course is designed to introduce biology majors to the fundamentals of mammalian physiology, with the human as the model organism. This course emphasizes the normal functioning of the human body, homeostatic mechanisms, and the relationship between form and function; however, disease states will be described at various times to illustrate how normal functions become disrupted.

BIOL 4431L: Human Physiology Laboratory

1 Credit Hours

Concurrent: BIOL 4431

In this laboratory students will learn how to measure physiological variables across systems using human and non-human models. Students will explore the principles of homeostasis across systems complementing the lecture by gathering and communicating the analysis of appropriate data from a number of experimental systems.

BIOL 4432K: Human Anatomy

4 Credit Hours

Prerequisite: (CHEM 1211 and CHEM 1211L) and (BIOL 1108 and BIOL 1108L)

This course examines the anatomical structure of the human body, with emphasis on the relationship between form and function. Students will learn the anatomy of the human body by examining individual organ systems, both from a macroscopic and microscopic perspective.