

BIOS301 : Computer Simulations in Biomedical Sciences

An introduction to computer simulation of dynamic biomedical systems modeling that will include theoretical studies and hands-on modeling experience. It will familiarize students with systems analysis and modeling with applications and case studies drawn primarily from human physiology, microbiology, and pharmacology. Students will learn how to formulate, build, and analyze models.

Credits 3

Prerequisites

BIOS203 Anatomy and Physiology I and BIOS204 Anatomy and Physiology II OR BIOS234 Anatomy and BIOS235 Physiology.

Prerequisite Courses

BIOS203

BIOS204

BIOS334

BIOS335