

BIOL202C : Microbiology

Lectures focus on three major areas: basic concepts of microbiology, including morphology and physiology of prokaryotes, eukaryotes, and viruses; host resistance to disease and immunology; and epidemiology of selected diseases caused by bacteria, viruses, fungi, protozoa, and parasitic worms. Labs focus on three major areas: basic skills such as staining, microscopy, and isolation techniques; bacterial physiology as is pertinent to identification of bacterial species; and control of microorganisms via chemotherapeutic agents, physical means, and chemical disinfectants.

Credits 4

Lab/Practicum/Clinical Hours 3

Lecture Hours 3

Prerequisites

Students are required to pass prerequisite courses with a grade of C or higher. Exceptions apply; please consult your department chair.

- Students must take either BIOL112C or BIOL196C.

BIOL112C

BIOL196C

Learning Outcomes

Upon completion of this course, students will:

1. Examine microorganisms and their physiological properties, normal human flora, sources of pathogens, interference and destruction of microorganisms, methods of transfers of pathogens, immunization, and body response to the invasion of foreign substances.
2. Apply etiology to the study of disease progression.
3. Demonstrate proper laboratory techniques and skills.