

BIOL107N : Principles of Biology: Molecular and Cellular

Introduces topics in more depth than [BIOL105N](#), faster pace, higher expectation of application through project-based learning environment to implement new methodology and critical thinking in and out of the laboratory. Topics covered include the chemical and physical basis of life, biochemistry, cell structure and function, genetics with emphasis on replication, transcription, expression, structure as it links to function at cellular, individual, population, and community levels of organization and evolution. This course is designed for students pursuing careers in biological sciences, biotechnology or areas related to medicine or biomedical research.

Class Hours 3

Lab Hours 3

Credits 4

Prerequisites

Successful completion (C or higher) of high school Biology and Chemistry or be able to pass a biology entrance exam with C- or better.