
BIO205 : Microbiology

This course focuses on the nature of microbial organisms and offers a comprehensive survey of infectious diseases of humans, with major emphasis on the biology of the infectious process. Important infectious pathogenic agents (bacteria, viruses, protozoa) are studied in terms of their physiological functions and the properties which permit them to be pathogens. The epidemiology and pathogenesis of infections, analysis of the dynamic interactions between invading organisms and the defense mechanisms of the invaded hosts, clinical pictures of the disease states, and prevention of infection are explored. The laboratory exercises provide an introduction to basic microbiology and modern diagnostic and clinical microbiology.

Credits	4
Clock Hours	60
Lab Hours	40
Lecture Hours	20
Prerequisites	None