

BIO 101 General Biology I (3 Units)

Definition, Concepts and Scope of Biology:

Cell structure and organization, Functions of Cellular Organelles; Prokaryotes, Eukaryotes, Study of the Structures and Functions of Cell Membrane, Cytoplasm, Mitochondria, Ribosome, Lysosomes, Golgi apparatus and other cell organelles. Chemical composition of the cell; chemical components; inorganic organic; The place of Biology in Human Welfare; Life and its characteristics; Diversity and classification of Living things; Differences between Plant and Animals; Life Cycle of Plants (Bryophytes, Pteridophytes, Gynosperms and Angiosperms); Genetics, Inheritance, Variation, Morphology and Evolution; Introduction to Microbiology (Algae, Fungi, Bacteria, Viruses and Protozoan); Organisms and Environment – Population studies (Human Population growth, Bio-diversity And conservation of Natural Resources, Global Environment Changes and Bio-technology.