

BIOLOGY II (CLEP Aligned)

Course Description

Biology II is an introduction to major specialty areas of Biology including:

-Comparative Anatomy

-Zoology

-Embryology

-Genetics

-Microbiology

-Immunology

-Botany

Course Materials

LAPTOP

PENCILS OR PENS

NOTEBOOK (PAPER)

BIOLOGY II SYLLABUS

Course Schedule:

1st Nine Weeks

Cells: Membrane Composition, Transport Mechanisms, Roles of Organelles, Prokaryotic & Eukaryotic Cell Comparison

Comparative Anatomy & Physiology: Embryological Development, Organ Systems Development, Classification of Organisms

2nd Nine Weeks

Biodiversity & Change: Natural Selection, Mechanisms of Isolation

Interdependence: Ecological Maintenance, Population Fluctuations

3rd Nine Weeks

Heredity: Meiosis, Protein Synthesis, Segregation & Independent Assortment, Mutations, Genetic Disorders

Flow of Matter & Energy: Cellular Respiration & Photosynthesis

4th Nine Weeks

BOTANY: Plant Identification, Tropisms, Plant Hormones, Plant Reproduction & Germination, Growth Factors, Plant Transport Mechanisms, Environmental Impact of Plants