

BIO 105 Credit-by-Exam

Study Topics

- Definition of Life
- Scientific Method
- Metric System and Units of Measure
- Taxonomy
- Origin of Life
- Basic Chemistry
 - Atomic Structure
 - Chemical Bonding
 - Organic and Inorganic Compounds
 - Biologically Important Molecules (Carbohydrates, Proteins, Lipids and Nucleic acids)
- Cellular Structure and Function
- Microscopes
 - Parts and Functions
 - Proper Usage
- Plant Biology
 - Structure and Function
- The Cell Cycle (Mitosis and Meiosis)
- Classical Mendelian Genetics and Principles of Inheritance
- Molecular Genetics
 - Nucleic Acids
 - Protein Synthesis
 - Biotechnology
- Evolution
- Biochemistry
 - Enzymes
 - Energy
 - ATP
- Cellular Respiration and Photosynthesis
- Botany
- Animal Tissues
- Animal Organ Systems
- Reproductive Biology
- Birth Control and Reproductive Technology
- Animal Behavior
- Ecology
- Overpopulation and Ecological Impact