

COLLEGEWIDE COURSE OUTLINE OF RECORD

BIO 065, BASIC LIFE SCIENCES

COURSE TITLE: Basic Life Sciences

COURSE NUMBER: BIO 065

PREREQUISITE: None

COREQUISITE: Demonstrated competency in reading and computation through appropriate assessment or earning a grade of "C" or better in ENG 031, Reading Strategies for College I; and MAT 044, Mathematics

DIVISION: General Education

PROGRAM: Academic Skills Advancement

CREDIT HOURS: 3

CONTACT HOURS: Lecture: 2 Lab: 2

DATE OF LAST REVISION: Spring, 2004

EFFECTIVE DATE OF THIS REVISION: Fall, 2004

CATALOG DESCRIPTION: Introduces the scientific method and the basic concepts and terminology used in biology, microbiology, anatomy, physiology and organic chemistry which is related to life sciences. Prepares entering students who took no high school science or who took science several years ago for general education life sciences courses.

MAJOR COURSE LEARNING OBJECTIVES: Upon successful completion of this course the student will be expected to:

1. Demonstrate use of the scientific method and be able to use the metric system.
2. Demonstrate use of scientific terminology and basic concepts in
 - a. Anatomy and physiology, with emphasis on structure and functions of major human systems
 - b. Biology, with emphasis on the cell, photosynthesis, and genetics
 - c. Microbial life with emphasis on microorganisms, infection, and immunity
 - d. Chemistry, with emphasis on topics related to life sciences such as ions, pH, organic compounds, molecular structures - organic/inorganic compounds
 - e. Metric system

COURSE CONTENT: Topical areas of study include —

The study of life

The continuity of life

Plant life

The living environment

The living cell

The evolution and diversity of life

Animal life

Microbial life

SUGGESTED LAB CONTENTS:

Microscopy	Metric system
Osmosis	Chemistry
Ph/Model building	Cell structure
Genetics	Environmental
Dicomous Key	

ACADEMIC HONESTY STATEMENT:

The College is committed to academic integrity in all its practices. The faculty value intellectual integrity and a high standard of academic conduct. Activities that violate academic integrity undermine the quality and diminish the value of educational achievement.

Cheating on papers, tests or other academic works is a violation of College rules. No student shall engage in behavior that, in the judgment of the instructor of the class, may be construed as cheating. This may include, but is not limited to, plagiarism or other forms of academic dishonesty such as the acquisition without permission of tests or other academic materials and/or distribution of these materials and other academic work. This includes students who aid and abet as well as those who attempt such behavior.

ADA STATEMENT:

Ivy Tech State College seeks to provide reasonable accommodations for qualified individuals with documented disabilities. If you need an accommodation because of a documented disability, please contact the Office of Disability Support Services.

If you will require assistance during an emergency evacuation, notify your instructor immediately. Look for evacuation procedures posted in your classroom.