

Date Prepared: August 2, 2003

New Revised
(Check One)

Effective Date: Fall 2003

COURSE OUTLINE

1. COURSE PREFIX and NUMBER: **BIO 101** CREDIT HOURS: 4

2. COURSE TITLE: **General Biology I**

3. PREREQUISITES: Satisfactory score on Reading Placement Test.

4. COURSE DESCRIPTION: Explores fundamental characteristics of living matter from the molecular level to the ecological community with emphasis on general biological principles. Introduces the diversity of living organisms, their structure, function and evolution. Lecture 3 hours. Recitation and laboratory 3 hours. Total 6 hours per week.

5. CONTENT: (Major Headings)

- a. Biology of cells
- b. The origin of cells
- c. Evolution

6. GENERAL COURSE OBJECTIVES:

Upon successful completion of the course, the student will be able to:

- a. Understand basic cell structure, cell chemistry, and function.
- b. Describe metabolic energy and pathways.
- c. Relate the structure of DNA to genetics and evolution.