

Date Prepared: August 3, 2003

New Revised
(Check One)

Effective Date: Fall 2003

COURSE OUTLINE

1. COURSE PREFIX and NUMBER: **BIO 146** CREDIT HOURS: 3
2. COURSE TITLE: **Human Heredity**
3. PREREQUISITES: None
4. COURSE DESCRIPTION: Surveys basic principles of classical and molecular genetics as applied to humans. Lecture 3 hours per week.
5. CONTENT: (Major Headings)
 - a. Scientific method
 - b. Cell division
 - c. Classical genetic
 - d. Molecular genetics
 - e. Nucleic acid chemistry
 - f. Biotechnology
 - g. Evolution
 - h. Population genetics
6. GENERAL COURSE OBJECTIVES:

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

- a. Describe the nature of science.
- b. Describe the historical development of the science of heredity.
- c. Apply the principals of genetics to current issues in society.