

Date Prepared: August 6, 2003

New Revised
(Check One)

Effective Date: Fall 2003

COURSE OUTLINE

1. COURSE PREFIX and NUMBER: **BIO 231-232** CREDIT HOURS: 4

2. COURSE TITLE: **Human Anatomy and Physiology I-II**

3. PREREQUISITES: Prerequisites one year of college biology and one year of college chemistry or divisional (school) approval. Prerequisite for BIO 232: BIO 231.

4. COURSE DESCRIPTION: Integrates the study of gross and microscopic anatomy with physiology, emphasizing the analysis and interpretation of physiological data. Lecture 3 hours. Recitation and laboratory 3 hours. Total 6 hours per week.

5. CONTENT: (Major Headings)

- a. Cellular anatomy and physiology system
- b. Skeletal system
- c. Muscular system
- d. Nervous system
- e. Circulatory system
- f. Respiratory system
- g. Digestive system
- h. Excretory system
- i. Reproductive system

6. GENERAL COURSE OBJECTIVES:

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

- a. Describe the basic histological and gross anatomy of the human body.
- b. Integrate the anatomy with physiology emphasizing the analysis and interpretation of physiological data.
- c. Demonstrate the proper use of the various tools used in the study of histology, gross anatomy and physiology of the human body.