

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: BIO 232

Credits: 4

Course Title: Human Anatomy and Physiology II

Course Description: Integrates the study of gross and microscopic anatomy with physiology, emphasizing the analysis and interpretation of physiological data. Part II of II. Prerequisites: One year of college biology and one year of college chemistry or school approval and BIO 231. Lecture 3 hours. Recitation and Laboratory 3 hours. Total 6 hours per week.

General Course Purpose: This course provides the content of the second semester of an introductory anatomy and physiology course for science majors and students pursuing entrance into professional schools.

Course Prerequisites and Co-requisites:

Prerequisites: One year of college biology and one year of college chemistry or school approval and BIO 231.

Course Objectives:

Upon completing 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; and
- c. Demonstrate the proper use of the various tools used in the study of histology, gross anatomy, and physiology of the human body.

Major Topics to Be Included:

- a. Nervous system
- b. Circulatory system
- c. Respiratory system
- d. Digestive system
- e. Excretory system
- f. Reproductive system

Effective Date of Course Content Summary: February 16, 2009