

**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 (including lecture hours, lab hours, total contacts)

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.

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/Corequisites (*Entry-level competencies **required** for enrollment*)

Prerequisite: BIO 231

Course Objectives (Each item should complete the following sentence.)

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.
- 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 (Month, Date Year): 2/16/09