

BIOL-2225 HUMAN ANATOMY AND PHYSIOLOGY II TITLE 3 CREDITS

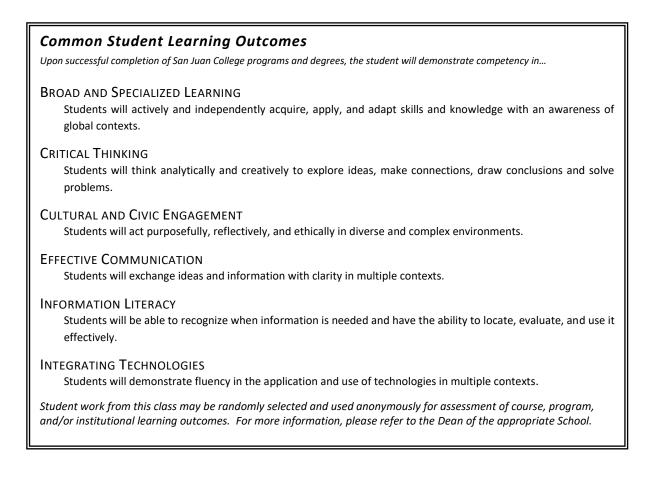
SYLLABUS

CATALOG DESCRIPTION

This course is the second of two that serve as an introduction to human anatomy and physiology for biology majors and allied health students. The course entails describing, explaining, and analyzing structure and function from the submicroscopic to the organismal level with emphasis on specific cellular, tissue, and organ structure and physiology, and organ system structure and function; specifically the endocrine, cardiovascular, respiratory, urinary, and reproductive systems. Additionally, an analysis of these concepts is included: fluid and electrolyte balance, pregnancy, growth and development from zygote to newborn, and heredity.

Prerequisites:

Semester Offered: Fall, Spring



Student Learning Outcomes

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

1. Identify and describe the major anatomical features of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems.

2. Analyze the physiological roles of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems in maintaining homeostasis in the human body.

3. Explain how fluid and electrolyte balance is maintained in the human body.

4. Compare and contrast the anatomy and physiology of male and female reproductive systems.

5. Describe pregnancy from conception to parturition including human growth and development from zygote to newborn.

6. Explain heredity and genetic control.