

COCONINO COMMUNITY COLLEGE

COURSE OUTLINE

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Effective Term: Fall 2020

November 22, 1999
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A. Identification:

1. Subject Area: Biology (BIO)
2. Course Number: 160
3. Course Title: Introduction to Human Anatomy and Physiology
4. Credit Hours: 4
5. Course Description: The study of the structure and function of the human body. It is designed for students who want a one semester course in anatomy and physiology and those pursuing certificates in the allied health sciences; students majoring in the sciences or preparing for professional health science careers should enroll in the BIO 201/202 sequence. General Education: Physical & Biological Sciences. Three lecture. Three lab.

B. Course Goals:

To learn about the structure and function of the human body beginning with individual cells and progressing to the various organ systems; to develop an integrated perspective on how the body parts work together to promote the health and well-being of the entire body; to develop laboratory skills that promote learning and augment classroom material.

C. Course Outcomes:

Students will be able to:

1. relate the structural organization of the body;
2. discuss homeostasis and homeostatic control mechanisms and what arises when homeostasis is not maintained;
3. analyze specific chemical concepts as they pertain to the body;
4. and describe structure and function of the: integumentary system and body membrane, skeletal system and joints, muscular system, nervous system, endocrine system, cardiovascular system, lymphatic system and immunity, respiratory system, digestive system, urinary system, and reproductive system.

D. Course Outcomes Assessment:

Must include:

1. Lecture exams.
2. Laboratory practical exams.
3. Comprehensive final exam and/or project.

E. Course Content:

Will include:

1. Structural organization of the body.
2. Homeostasis.
3. Basic chemistry of the body.
4. Integument and body membranes.
5. Skeletal system and joints.
6. Muscular system.
7. Nervous system.
8. Endocrine system.
9. Cardiovascular system.
10. Lymphatic system and immunity.
11. Respiratory system.
12. Digestive system.
13. Urinary system.
14. Reproductive system.