C-ID Descriptor
Human Anatomy with Lab

Descriptor Details

- **Descriptor Title**: Human Anatomy with Lab
- **C-ID Number**: 110
- **Suffix**:
  - Lab and Lecture (B)
- **Units**: 4.0
- **Hours**: 0000
- **Date of Last Revision**: 10/12/2017 04:43:55 PM PDT

General Description

Structural organization of the human body: gross and microscopic structure of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, lymphatic, respiratory, digestive, excretory, and reproductive systems, from cellular to organ system levels of organization. This course is primarily intended for nursing, allied health, kinesiology, and other health related majors.

Prerequisites

No information provided

Corequisites

No information provided

Advisories

1. Eligible for college-level English (C-ID ENGL 100).
2. Eligible for college-level math (C-ID MATH 110, 120, 130, 140, 150, 151 OR any other course with Intermediate Algebra as a prerequisite)

3. Non-majors general biology course, or one-semester anatomy and physiology course or medical terminology course.

Content

Must include but not limited to:

1. **Cellular structures**
2. **Histology**
3. **Embryology**
4. **Integumentary system**
5. **Skeletal system**
6. **Muscular system**
7. **Surface (External) Anatomy**
8. **Nervous system including special senses (sensory organs)**
9. **Endocrine system**
10. **Cardiovascular system**
11. **Lymphatic system**
12. **Respiratory system**
13. **Urinary system**
14. **Digestive system**
15. **Reproductive system**
16. **Comparison of normal versus diseased, injured or age-related structural changes in any or all of the above organ systems.**

Lab Activities

This course must include a laboratory component with greater than 80% hands-on learning supporting the course outcomes. Laboratory content must be considered when matching courses to this descriptor.

1. **Identification of microscopic structures and tissues.**
2. **Identification of bones and bone features.**
3. **Identification of skeletal musculature and muscle features.**
4. **Identification of internal organs.**

   And all or most of the following:
5. **Dissection of organs or observation of dissected organs.**

6. **Dissection of organisms or observation of dissected organisms.**
7. **Identification of structures on models.**

Objectives

At the conclusion of this course, the student should be able to:

- **Describe key structural features of different human cell and major tissue types.**
- **Identify and describe the anatomy of the systems of the human body**
- **Relate structure and function at the cellular through system levels of organization of human body systems**
- **Describe structural or anatomical changes that occur in disease, injury or aging of the human body systems.**

Evaluation Methods

Examinations with objective and written components.

Lab practical examinations.

Textbooks

Current (within 5 years) college level text such as Human Anatomy by Saladin, Human Anatomy by McKinley, Human Anatomy by Martini, or Human Anatomy by McLoughlin, or equivalent. Lab manuals can include cat/pig dissection, histology or lab manuals developed on site or the equivalent. Support materials such as Atlas of Anatomy by Gilroy, Pearson PAL (Practice Anatomy Lab) or McGraw-Hill APR, Anatomy and Physiology Revealed are appropriate.