



# 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 11:43:55 PM GMT+0000

### 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

None

### 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.**