

El Paso Community College
Syllabus
Part II
Official Course Description

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|---------------------------------|---|----------|------------|----------|----------|----------------|------------|--|------------|
| SUBJECT AREA | <u>Health Information Technology</u> | | | | | | | | |
| COURSE RUBRIC AND NUMBER | <u>SCIT 1407</u> | | | | | | | | |
| COURSE TITLE | <u>Applied Human Anatomy and Physiology I</u> | | | | | | | | |
| COURSE CREDIT HOURS | <table style="display: inline-table; border: none; text-align: center;"> <tr> <td>4</td> <td>3</td> <td>:</td> <td>3</td> </tr> <tr> <td>Credits</td> <td>Lec</td> <td></td> <td>Lab</td> </tr> </table> | 4 | 3 | : | 3 | Credits | Lec | | Lab |
| 4 | 3 | : | 3 | | | | | | |
| Credits | Lec | | Lab | | | | | | |

I. Catalog Description

Provides an applied systematic study of the structure and function of the human body. Includes anatomical terminology, cells, tissues, and the following systems: integumentary, skeletal, muscular, nervous, and endocrine emphasizes homeostasis. A grade of "C" or better is required in this course to take the next course. (3:3).

II. Course Objectives

- A. Unit I. Disease Processes
Upon satisfactory completion of this unit, the student will be able to describe basic human anatomical structures and how disease entities, diagnoses, and treatments affect them.
- B. Unit II. Anatomy Overview
Upon satisfactory completion of this unit, the student will be able to describe the levels of anatomical structure of the body and how the levels are related to each other.
- C. Unit III. Muscles
Upon satisfactory completion of this unit, the student will be able to:
 1. identify muscles by their descriptive names (shape, location, attachment, size, orientation of fibers, relative position, and function),
 2. describe anatomic and directional planes, and use medical word-building techniques to join directional and positional adjectives,
 3. identify the muscles of the face, muscles of the neck, anterior muscles of the torso, posterior muscles of the arm, and muscles of the anterior and posterior leg,
 4. and spell all muscle names correctly.
- D. Unit IV. Arteries
Upon satisfactory completion of this unit, the student will be able to:
 1. the arteries of the head, neck and brain,
 2. identify the arteries of the torso,
 3. identify the arteries of the arm,
 4. identify the arteries of the leg,
 5. spell all artery names correctly.
- E. Unit V. Veins
Upon satisfactory completion of this unit, the student will be able to:
 1. identify the veins of the head and neck,

2. identify the veins of the body,
3. spell all names of veins correctly.

F. Unit VI. Bones

Upon satisfactory completion of this unit, the student will be able to:

1. identify the bones of the axial skeleton,
2. identify the bones of the appendicular skeleton,
3. describe joint articulations and how joints are named,
4. describe bones/muscle attachments (ligaments),
5. spell names of bones and joints correctly.

G. Unit VII. Sensory Organs

Upon satisfactory completion of this unit, the student will be able to:

1. identify the structures of the skin,
2. identify the disease processes and abnormalities of the skin,
3. identify eye structures,
4. identify disease processes, symptoms, and pathologies of the eye,
5. identify the structures of the ear, nose, and throat,
6. identify disease processes of the ear, nose, and throat.

H. Unit VIII. The Brain

Upon satisfactory completion of this unit, the student will be able to:

1. identify the structures of the brain,
2. define and use brain terminology.

III. THECB Learning Outcomes (WECM)

1. Identify the structure and explain the function of cells and tissue.
2. Identify the components and explain the physiological mechanisms of the following body systems: integumentary, skeletal, muscular, nervous, and endocrine.
3. Apply anatomical terminology to describe the processes these systems use to maintain homeostasis of the human body.

IV. Evaluation

A unit test will be administered at the completion of each unit in this course. The student's grade in the course is determined by combining unit test scores with the final examination score in the following way:

Unit test score average: 50%
Final Examination: 50%

| <u>Grading Scale</u> | <u>Letter Grade</u> |
|----------------------|---------------------|
| Average Grade | |
| 93-100% | A |
| 83-92% | B |
| 75-82% | C |

Anything below a C is considered failing due to the requirements of the Health Occupations programs.

V. Disability Statement (American with/Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

VI. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.