



HEOC 100 - Basic Anatomy & Physiology Course Outline

Approval Date: 03/12/2020

Effective Date: 08/14/2020

SECTION A

Unique ID Number CCC000616213

Discipline(s)

Division Health Occupations

Subject Area Health Occupations

Subject Code HEOC

Course Number 100

Course Title Basic Anatomy & Physiology

TOP Code/SAM Code 1260.00 - Health/Medical Preparatory Programs, Other*
/ E - Non-Occupational

Rationale for adding this course to the curriculum Update texts and other information

Units 3

Cross List N/A

Typical Course Weeks 18

Total Instructional Hours

Contact Hours

Lecture 54.00

Lab 0.00

Activity 0.00

Work Experience 0.00

Outside of Class Hours 108.00

Total Contact Hours 54

Total Student Hours 162

Open Entry/Open Exit No

Maximum Enrollment

Grading Option Letter Grade or P/NP

Distance Education Mode of Instruction On-Campus
Hybrid
Entirely Online

SECTION B

General Education Information:

SECTION C

Course Description

Repeatability May be repeated 0 times

Catalog Description Introductory lecture course in Anatomy and Physiology. Required for Vocational Nursing, Psychiatric Technician and Paramedic Programs.

Schedule Description

SECTION D

Condition on Enrollment

1a. Prerequisite(s): *None*

1b. Corequisite(s): *None*

1c. Recommended: *None*

1d. Limitation on Enrollment: *None*

SECTION E

Course Outline Information

1. Student Learning Outcomes:

- A. Demonstrate knowledge of human body functions at the cellular level, tissue, organ, and systems levels.
- B. Identify the implications of anatomical and physiological functioning and malfunctioning on human health.

2. Course Objectives: Upon completion of this course, the student will be able to:

- A. Explain the structure and function of cells
- B. Describe the chemical reactions that occur in metabolism
- C. List and describe the location of the four major tissue types
- D. Explain the balance of water, electrolytes and fluid distribution in compartments of the human body
- E. Name, compare and diagram the general functions of each organ and organ system
- F.

3. Course Content

- A. Introduction and Overview
- B. Cells, Tissues, Organs, Systems
- C. Skin
- D. Gastrointestinal
- E. Musculoskeletal
- F. Circulatory
- G. Respiratory
- H. Endocrine
- I. Reproductive
- J. Nervous
- K. Sensory
- L. Urinary

M. Water, Electrolyte and Acid-Base Balance
N.

4. Methods of Instruction:

Discussion:

Lecture:

Online Adaptation: Directed Study, Discussion, Individualized Instruction, Lecture

4. Methods of Evaluation: Describe the general types of evaluations for this course and provide at least two, specific examples.

Typical classroom assessment techniques

Exams/Tests -- Multiple choice Fill-in Short description

Quizzes -- Multiple choice Fill-in Short description

Home Work -- Labeling anatomical charts

Final Exam --

Mid Term -- Multiple choice examination

Letter Grade or P/NP

5. Assignments: State the general types of assignments for this course under the following categories and provide at least two specific examples for each section.

A. Reading Assignments

Weekly chapter assignments from textbook (e.g. Chapter 6 -Integumentary System)

B. Writing Assignments

Case study/scenarios from weekly textbook subject matter. (e.g., describe basic inflammatory response that occurs during an allergic reaction to pollen).

Weekly on-line discussion on textbook topics of weekly subject matter assignments. (e.g., why are the lumbar spinal vertebra the largest of the spinal column).

C. Other Assignments

Weekly on-line discussion on topic of the week from

6. Required Materials

A. EXAMPLES of typical college-level textbooks (for degree-applicable courses) or other print materials.

Book #1:

Author: Cohen, B. and Hull, K.

Title: Memmler's Structure & Function of the Human Body

Publisher: Jones & Bartlett

Date of Publication: 2019

Edition: 13

B. Other required materials/supplies.