EFFECTIVE TERM: Summer 2019

Course Identification

COURSE ID: VOC ANA50

Student Learning Outcomes

COURSE TITLE (FULL): Basic Anatomy and Physiology

COURSE TITLE (SHORT): Basic Anatomy/Physiology

COURSE DIVISION: Continuing Education Division

COURSE DEPARTMENT: Short-Term Vocational

COURSE SUBJECT: Vocational

DISCIPLINE:

TAXONOMY OF PROGRAMS (TOP) CODE: 129900 *Other Health Occupations

CROSS LISTED COURSE:

Course Attributes

CREDIT STATUS: N – Noncredit

TRANSFER STATUS: C Not Transferable

COURSE BASIC SKILLS STATUS: Not a Basic Skills Course

STUDENT ACCOUNTABILITY MODEL (SAM) CODE: D - Possibly Occupational

COURSE CLASSIFICATION STATUS: K Other Noncredit Enhanced Funding

FUNDING AGENCY CATEGORY: Not Applicable

COURSE PROGRAM STATUS: 1 - Program Applicable

REPEATABILITY: Noncredit Repeatable

GRADING METHOD: Pass or No Pass

CREDIT BY EXAM: Not Allowed

WORK EXPERIENCE: Not part of co-op work experience education program

Course Workload Values

Faculty Contact Hours	Lecture	Laboratory	Activity	Total
Minimum Contact Hours	60			60
Maximum Contact Hours	180			180
Minimum Out of Class Hours	120			120
Maximum Out of Class Hours	360			360
Total Minimum Student Learning Hours				
Total Maximum Student Learning Hours				

Unit Value	Lecture	Laboratory	Activity	Total
Minimum Units				
Maximum Units				

To Be Arranged (TBA) Hours	Lecture	Laboratory	Activity	Total
Minimum To Be Arranged (TBA) Hours				
Maximum To Be Arranged (TBA) Hours				
Scheduled Hours				

METHODS OF INSTRUCTION

- [x] Lecture
- [ ] Laboratory
- [ ] Lecture and Laboratory
- [ ] Open Entry/Exit
- [ ] Independent Studies
- [ ] Work Experience
- [ ] Other To Be Arranged (TBA)

Class Size: 0

Requisites

None

Course Outline with Information

CATALOG DESCRIPTION

Introduction to human anatomy and physiology by systems with brief descriptions of biochemistry, cell biology, and molecular biology. Upon completion, students will understand normal functions and be able to recognize pathologies.

SCHEDULE DESCRIPTION

Brief introduction to structures and functions of major human organ systems.

MEASURABLE OBJECTIVES

1. Analyze the general chemical components of cells and tissues.
2. Evaluate major cellular components and their roles in cell survival.
3. Explain the gross anatomy of the integumentary, musculoskeletal, nervous, endocrine, digestive, respiratory, reproductive, cardiovascular, lymphatic, and urinary systems.
4. Relate the gross anatomy of organ systems to their physiological functions.
5. Discuss common interactions between different organ systems.
6. Predict possible symptoms resulting from pathophysiological processes.

LECTURE TOPICAL OUTLINE

- Cell and molecular biology
- Tissues and integumentary system
- Skeletal system
- Muscular system
- Nervous system
- Endocrine system
- Cardiovascular system
- Lymphatic system
- Respiratory system
- Digestive system
- Urinary system
- Male reproductive system
- Female reproductive system

- Final exam

LABORATORY TOPICAL OUTLINE

METHODS OF EVALUATION

Category 1. Substantial written assignments for this course include:

- One-page summaries pertaining to anatomy and physiology

Category 2. Computational or non-computational problems solving demonstrations

- Assessment, analysis, and evaluation of clinical case studies

Category 3. Skills Demonstrations

Category 4. Objective Examinations

- Multiple-choice, short answer, response to writing, and true or false section quizzes and exams

SAMPLE ASSIGNMENTS

1. Draw an atom of oxygen, showing all quantities and charges of subatomic particles. Show how this element will participate in a covalent bond with another atom.
2. Trace the path of food through the digestive tract, starting with the mouth and ending at the anus. Describe the functions of each organ along the way. Explain what happens from organ to organ at each step along the way.
3. Draw and describe in writing the anatomy of the neck, naming the glands found there. Explain what may happen to the calcium level in the body if these glands are removed.