



ILLINOIS VALLEY COMMUNITY COLLEGE

COURSE OUTLINE

DIVISION: Workforce Development

COURSE: DLA 2200 Body Systems

Date: Spring 2021

Credit Hours: 1.0

Prerequisite(s): DLA 1210 Dental Science II

Delivery Method: **Lecture** **1 Contact Hours (1 contact = 1 credit hour)**
 Seminar **0 Contact Hours (1 contact = 1 credit hour)**
 Lab **0 Contact Hours (2-3 contact = 1 credit hour)**
 Clinical **0 Contact Hours (3 contact = 1 credit hour)**
 Online
 Blended

Offered: **Fall** **Spring** **Summer**

CATALOG DESCRIPTION:

This course is an introduction to basic functions of integumentary, endocrine, reproductive, digestive, respiratory, muscle, integumentary and immune systems and body structure is presented. Systems from DLA 1210-Dental Science II: nervous, circulatory, lymph, and skeletal are reviewed and expanded upon beyond the head and neck.

GENERAL EDUCATION GOALS ADDRESSED

[See last page for Course Competency/Assessment Methods Matrix.]

Upon completion of the course, the student will be able:

[Choose up to three goals that will be formally assessed in this course.]

- To apply analytical and problem solving skills to personal, social, and professional issues and situations.
- To communicate successfully, both orally and in writing, to a variety of audiences.
- To construct a critical awareness of and appreciate diversity.
- To understand and use technology effectively and to understand its impact on the individual and society.
- To develop interpersonal capacity.
- To recognize what it means to act ethically and responsibly as an individual and as a member of society.
- To recognize what it means to develop and maintain a healthy lifestyle in terms of mind, body, and spirit.
- To connect learning to life.

EXPECTED LEARNING OUTCOMES AND RELATED COMPETENCIES:

[Outcomes related to course specific goals. See last page for more information.]

Upon completion of the course, the student will be able to:

1. Demonstrate a basic understanding of the body systems, their function and components.

- 1.1. List the body systems, cavities of the body, and describe the structure and function of the cell.
- 1.2. Explain the functions and divisions of the skeletal system, list the composition of the bone, and identify the types of joints.
- 1.3. List the functions and parts of the muscular system.
- 1.4. List the functions and the structure of the nervous system.
- 1.5. List the functions and the parts of the endocrine system.
- 1.6. Explain the dental concerns related to the reproductive system.
- 1.7. Explain the functions of the circulatory system and list and identify the parts.
- 1.8. Explain the functions and parts of the digestive system.
- 1.9. List the functions and parts of the respiratory system.
- 1.10. List the functions and parts of the lymphatic system and the immune system.
- 1.11. Explain the human body building blocks from cell to system

MAPPING LEARNING OUTCOMES TO GENERAL EDUCATION GOALS

[For each of the goals selected above, indicate which outcomes align with the goal.]

Goals	Outcomes
First Goal	
To recognize what it means to develop and maintain a healthy lifestyle in	1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10, 1.11

COURSE TOPICS AND CONTENT REQUIREMENTS:

- I. Body Systems
 - A. Body cavities
 - B. Basic structure and function of the cell
 - C. Skeletal system
 - i. Functions
 - ii. Divisions
 - iii. Bone composition
 - iv. Types of joints
 - v. Common diseases and conditions
 - D. Muscular system
 - i. Functions
 - ii. Types
 - iii. Characteristics
 - iv. Attachments
 - v. Common diseases and conditions
 - E. Nervous System
 - i. Functions
 - ii. Structure
 - iii. Spinal cord and spinal nerves
 - iv. Brain and cranial nerves
 - F. Endocrine System
 - i. Functions
 - ii. Parts
 - iii. Reproductive system
 - iv. Common diseases and conditions
 - G. Circulatory System
 - i. Functions
 - ii. Parts
 - iii. Common diseases and conditions
 - H. Digestive System
 - i. Functions
 - ii. Parts
 - iii. Common diseases and conditions
 - I. Respiratory System
 - i. Functions
 - ii. Parts
 - iii. Common diseases and conditions
 - J. Lymphatic System and Immune System
 - i. Functions of Lymphatic system
 - ii. Parts
 - iii. Functions of Immune System
 - iv. Common diseases and conditions
 - K. Integumentary System
 - i. Functions
 - ii. Parts
 - iii. Common diseases and conditions

INSTRUCTIONAL METHODS:

- Lecture
- Class discussion
- Class Presentations
- Text assignments
- Visual aids - videos, slides, charts and models, power points
- Computers
- Exams and quizzes
- Demonstration

INSTRUCTIONAL MATERIALS:

- Text books
 - Anatomy of Orofacial Structures: A Comprehensive Approach, Enhanced 7th Edition, 2014
 - Dental Assisting: A Comprehensive Approach, 5th Edition, 2018
 - Dental Assisting: A comprehensive Approach Workbook, 5th Edition, 2018
- YouTube
- Library Resources
- Writing Center

STUDENT REQUIREMENTS AND METHODS OF EVALUATION:

Reading assigned materials, note taking and participation in classroom discussion is expected of students.

Written examinations are used to evaluate student progress. A minimum of four tests and a comprehensive final exam will be given. All exam grades are weighted proportionately to determine the final grade.

A grade of "C" is required for graduation from the Dental Assisting Program. The following grading scale will be used as a guide in determining the final letter grade for this course:

A= 90-100
B= 80-89
C= 70-79
D= 60-69
F= 0-59

OTHER REFERENCES

Course Competency/Assessment Methods Matrix

DLA 2200	Assessment Options																															
For each competency/outcome place an "X" below the method of assessment to be used.	Assessment of Student Learning	Article Review	Case Studies	Group Projects	Lab Work	Oral Presentations	Pre-Post Tests	Quizzes	Written Exams	Artifact Self Reflection of Growth	Capstone Projects	Comprehensive Written Exit Exam	Course Embedded Questions	Multi-Media Projects	Observation	Writing Samples	Portfolio Evaluation	Real World Projects	Reflective Journals	Applied Application (skills) Test	Oral Exit Interviews	Accreditation Reviews/Reports	Advisory Council Feedback	Employer Surveys	Graduate Surveys	Internship/Practicum /Site Supervisor Evaluation	Licensing Exam	In Class Feedback	Simulation	Interview	Written Report	Assignment
Assessment Measures – Are direct or indirect as indicated. List competencies/outcomes below.	Direct/ Indirect	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	I	I	I	I	D	D							
Demonstrate a basic understanding of the body systems, their function and components		X	X	X	X		X	X				X		X						X		X	X		X	X	X	X	X			X