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.]

<table>
<thead>
<tr>
<th>Goals</th>
<th>Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Goal</td>
<td>1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10, 1.11</td>
</tr>
</tbody>
</table>
terms of mind, body, and spirit.

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
  - 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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessment Measures – Are direct or indirect as indicated. List competencies/outcomes below.</td>
<td>Direct/Indirect</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td>D</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For each competency/outcome place an “X” below the method of assessment to be used.

| Competency: Demonstrate a basic understanding of the body systems, their function and components | 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 |
|-------------------------------------------------------------------------------------------------|----------------|--------------|----------------|----------|-------------------|----------------|--------|---------------|-----------------------------|-------------------|-------------------------------|---------------------|-------------------|-------------|----------------|---------------------------|-------------------|-------------------|-----------------|-----------|---------------|------------|----------|----------------|-----------|
|                                                                                                  | X              | X            | X             | X        | X                 | X              | X      | X             | X                           | X                 | X                            | X                   | X                 | X           | X             | X                         | X                 | X                | X               | X         | X             | X          | X        |