

SOUTHEAST COMMUNITY COLLEGE
HEALTH SCIENCES DIVISION
DENTAL ASSISTING
Revision Date: 11/2023

I. CATALOG DESCRIPTION

Course Number: DENT 1108
Course Title: Dental Sciences
Prerequisite(s):

Catalog Description: This course deals with the basic overview of normal structure and function of the ten body systems, thorough study of anatomical concepts including embryology, histology, and morphology related to the head and neck.

Credit Hours: 2
Class Hours: 23
Lab Hours: 23
Total Contact Hours: 46

II. COURSE OBJECTIVES: *Course will:*

1. Recognize basic Anatomy and Physiology
2. Understand the normal structure and function of all of the ten identified body systems.
3. Understand basic head and neck anatomy.
4. Understand morphology related to both primary and permanent conditions.
5. Apply learned knowledge to the dental assisting profession.

Note: Unit objectives are located in the learning management system within each unit of study.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

A. STUDENT LEARNING OUTCOMES: *The student will be able to:*

1. Identify the four levels of organization, describe the components of a cell, the four types of tissue the two major body cavities, and types of stem cells.
2. Describe the components of the 10-body system and explain how each body system functions.
3. Describe the signs and symptoms of common disorders related to each body system and give examples of conditions that require interaction among body systems.
4. Understand basic oral embryonic and histology including the composition of the teeth and supporting tissues.
5. Locate and describe head and neck anatomy (bones, muscles of mastication, major salivary glands, paranasal sinuses, nerve and blood supply) of the head and oral cavity.
6. Describe morphology and tooth development characteristics.
7. Identify anatomical landmarks of the head, oral cavity and skull.

B. GENERAL EDUCATION LEARNING OUTCOMES

GELO 3: Written Communication

2. Develop a focused thesis statement and write with clear purpose, using relevant examples, claims and evidence.

IV. CONTENT/TOPICAL OUTLINE *(course outline may provide more detailed information)*

Unit 1: Sciences Relations to Dentistry

1. General Anatomy and Physiology

2. Interaction among the ten body systems

Unit 2: Head and Neck Anatomy

1. Embryology of the Oral Cavity Structures
2. Histology to include: Composition of the Teeth and the Supporting Tissues
3. Cranial and Facial Bones
4. Muscles of Mastication and Temporomandibular Joint
5. Salivary Glands and Para-nasal Sinuses
6. Nerve Supply to the Face and Oral Cavity
7. Blood Supply to the Face and Oral Cavity
8. Tooth Morphology
9. Anatomical Landmarks on the Face and Skull

V. INSTRUCTIONAL MATERIALS REQUIRED

A. Required Text(s):

Bird and Torres. *Modern Dental Assisting* (current edition). Saunders. (textbook)
Stuhr. *Modern Dental Terminology Online* (current edition) Saunders (online-text).

VI. METHODS OF PRESENTATION/INSTRUCTION

A. Methods of presentation typically include a combination of the following:

1. Lecture
2. Demonstration
3. Handout Materials
4. Class Participation/Presentations
5. Case Studies and Group Work
6. Power Point slides and videos
7. Activity worksheets
8. Engaged learning activities

VII. METHODS OF EVALUATION

A. Methods of evaluation typically include a combination of assignments, quizzes, exam, projects, skill checkoffs, etc. For grading expectations, please see the course information document.

SCC STANDARD GRADING SCALE POLICY:

A+	95-100	C+	75-79
A	90-94	C	70-74
B+	85-89	D+	65-69
B	80-84	D	60-64
		F	Below 60

VIII. SPECIFIC COURSE REQUIREMENTS

A. ATTENDANCE

Attendance is crucial to the success of this course. Any class missed could mean valuable missed information, which is difficult to obtain. Please notify the instructor of any pending absences or if you will be late prior scheduled time. See Program Handbook for all program policies.

Please see course information document for course policies related to grading, expectations, assignments, assessments, and participation.