

DENT 121: HUMAN ANATOMY FOR THE DENTAL PROFESSIONAL

Citrus College Course Outline of Record

Heading	Value
Effective Term:	Fall 2023
Credits:	2
Total Contact Hours:	36
Lecture Hours :	36
Lab Hours:	0
Hours Arranged:	0
Outside of Class Hours:	72
Prerequisite:	DENT 100 or concurrent enrollment.
Transferable to CSU:	No
Transferable to UC:	No
Grading Method:	Standard Letter

Catalog Course Description

The study of the basic structure and function of the human anatomy as it relates to the oral cavity. This course provides instruction on oral histology and embryology, head and neck anatomy, and oral pathology with emphasis on their relationship to and affect on dental treatment. 36 lecture hours.

Course Objectives

- demonstrate knowledge in oral embryology and histology
- identify common developmental disorders
- demonstrate knowledge in head and neck anatomy
- demonstrate knowledge in oral pathology

Major Course Content

1. Embryology and Histology
 - a. General anatomy
 - b. Embrology
 - c. Factors influencing prenatal development
 - d. Life cycle of a tooth
 - e. Growth cycle – birth to childhood
 - f. Developmental disorders
2. Bones of the Skull and Face
 - a. Cranial bones
 - b. Facial bones
 - c. Sutures and processes
 - d. Hyoid bone
3. Temporomandibular Joint
 - a. Structures
 - b. Movements
 - c. Disorders
4. Muscles

- a. Mastication
 - b. Facial
 - c. Neck and floor of the mouth
5. Tongue
 - a. Surfaces
 - b. Functions
 - c. Structures
 - d. Terminology
 - e. Conditions
 6. Salivary Glands
 - a. Saliva
 - b. Major salivary glands
 - c. Minor salivary glands
 - d. Disorders
 7. Paranasal Sinuses
 - a. Names
 - b. Functions
 - c. Infections
 8. Cranial Nerves
 - a. Names and function
 - b. Trigeminal
 9. Blood Supply to the Head and Neck
 - a. Circulatory anatomy
 - b. Arterial supply
 - c. Veins
 10. Oral Pathology
 - a. Terminology
 - b. Inflammation
 - c. Deviations from normal
 - d. Bacterial, viral and fungal
 - e. Oral cancer

Suggested Reading Other Than Required Textbook

Assigned reading Reading of professional journals and materials relative to their chosen topic (a disease related to a body system).

Examples of Required Writing Assignments

Write research paper from professional journals on non-infectious disease of their choice, including content on etiology, diagnosis, treatment, prognosis and oral implications if any.

Examples of Outside Assignments

Students will be required to complete the following types of assignments outside of the regular class time:

Answer study questions directly related to content
 Complete head and neck anatomy worksheets, identifying the structures
 Write research paper from professional journals on non-infectious disease of their choice, including content on etiology, diagnosis, treatment, prognosis and oral implications if any.
 Give five minute oral presentation on written paper
 Read required materials

Instruction Type(s)

Lecture, Online Education Lecture