ADED134C : Oral Anatomy I

A detailed study of the anatomy of primary and permanent dentitions. Other topics include tooth morphology, tooth eruption sequence, basic dental terminology and occlusion. This course is coordinated with hands on laboratory exercises that allow students to practice tooth identification and application of the visible anatomical landmarks of the oral cavity. The included laboratory sessions are coordinated with lectures to provide practical applications of dental anatomy.

Credits 3
Lab/Practicum/Clinical Hours 1
Lecture Hours 2
Prerequisites
Students are required to pass prerequisite courses with a grade of C or higher. Exceptions apply; please consult your department chair.
ADED101C
Learning Outcomes

Course Goals

The course goals (CG) link to program competencies (PC). The program goals and competencies are located within the NHTI Dental Hygiene Program Manual. Upon completion of this course, the student will be able to:

1. Develop acquired knowledge, skills, and concepts related to dental terminology and its use in the dental setting, specifically with colleagues, patients, and dental records.
2. Apply scientific understanding of dental anatomy, tooth development, and the eruption process to the clinical setting during patient care and assessment.

Student Learning Outcomes

1. Define and integrate terms associated with head and neck anatomy.
2. Determine the age of a patient based on a comprehensive understanding of the process of tooth eruption and exfoliation and list the dates of eruption for the deciduous and permanent teeth.
3. Specify how the physiologic tooth form protects the periodontium and identify the anatomic landmarks of the gingiva.
4. Identify the gingival unit and attachment apparatus from the perspective of anatomy.
5. Demonstrate the ability to identify form and function as it relates to the anatomical features of the dentitions.
6. Identify all anatomic structures and landmarks of the oral cavity.
7. Recognize variations of normal orofacial structures associated with the head, neck, and oral cavity.
8. Identify and categorize individual teeth according to morphologic traits associated with each tooth type in both the deciduous and permanent dentitions.
9. Demonstrate the ability to connect morphologic differences in tooth anatomy with specific dental anomalies.
10. Identify systemic variables that are related to various tooth anomalies.
11. Identify character traits, arrangements, and functions associated with the deciduous dentition.
12. Classify a patient's occlusion using molar and canine relationship using Angle's Classification System and relate facial profiles to this system.
13. Develop a basic understanding of a spreadsheet layout, function, and development process.
14. Utilize three specific tooth identification systems; Universal, ISO, and Palmer notation systems for both the deciduous and permanent dentition periods.