

Prepared by the Department of: Health Sciences

Date of Departmental Approval: January 18, 2018

Date approved by Curriculum and Programs: February 14, 2018

Effective: Fall 2018

1. **Course Number:** DEN101
Course Title: Oral Tissues I
2. **Description:** In this course, designed for first semester dental hygiene students, the student learns the basic anatomy of the teeth and dental nomenclature. This study is further developed by concentrating on functions and forms of teeth with emphasis on eruption dates of primary and permanent dentitions, and root morphology of permanent teeth. An introduction to general histology and embryology of the face and oral cavity completes the course.
3. **Student Learning Outcomes:** The student will demonstrate a working knowledge of terminology used in the dental profession, identify the anatomy of the oral cavity and the characteristics of individual teeth, recognize eruption patterns and dental anomalies, describe the basic tissues of the head and neck, and the early development of the face.
 - a) **General Learning Outcomes:** At the end of the course the student is expected to:
 1. Identify and describe the structures in the oral cavity.
 2. Demonstrate a working knowledge of dental nomenclature, tooth numbering systems, and occlusion.
 3. Identify and describe terms related to tooth form and function.
 4. Identify each tooth by dentition, arch, quadrant and tooth name.
 5. Identify characteristics of each tooth and tooth anomalies.
 6. Identify, classify, and describe the roots of each tooth.
 7. Identify, classify, and describe the eruption dates for each tooth.
 8. Relate tooth/root anatomy to clinical practice.
 9. Identify and describe the fundamental tissues of the head and neck.
 10. Explain the concepts of oral embryology and describe the development of the face.
4. **Credit(s):** 2 credits
5. **Satisfies General Education Requirement:** No
6. **Prerequisite(s):** ENL108 (Critical Reading & Thinking) or satisfactory basic skills assessment score and CHM109 (Chemistry for the Health Sciences)
7. **Semester(s) Offered:** Fall
8. **Suggested General Guidelines for Evaluation:** Classroom participation, in-class activities, announced quizzes, self-study assignments, two exams and final exam. Students successfully passing the course must achieve a grade of C (75) or better which will be entered onto their college transcripts. Students must achieve a grade of C (75) or better in all dental hygiene courses in order to continue in the Dental Hygiene Program.
9. **General Topical Outline:**

Week 1	Course Introduction General Nomenclature Tooth Numbering Systems
Week 2	Tooth Numbering Systems (cont.) Types of Teeth and Dental Terminology

Week 3	Dental Terminology (cont.) The Oral Cavity
Weeks 4/5	Occlusion Descriptive Terms used in tooth identification Incisors: maxillary and mandibular
Week 6	Exam #1 Incisors: maxillary and mandibular (cont.)
Week 7	Canines: maxillary and mandibular Premolars: maxillary and mandibular
Week 8	Premolars: maxillary and mandibular (cont.) First and second molars: maxillary
Week 9	First and second molars: maxillary (cont.) First and second molars: mandibular
Week 10	First and second molars: mandibular (cont.) Third molars: maxillary and mandibular
Week 11	Exam #2 Deciduous teeth
Week 12	Thanksgiving Recess
Week 13	Anomalies Introduction to general histology Tissue organization: epithelium; connective tissue; nerve tissue; muscle tissue
Week 14	Tissue organization (cont.) Introduction to embryology