

**Western Dakota Technical Institute  
800 Mickelson Drive  
Rapid City, SD 57703-4018**

**Master Syllabus**

**Course Number:** DEN 125  
**Course Name:** Oral Embryology and Histology  
**Credits:** 2  
**Contact Hours:** 2 Lecture

**Course Description:** This course focuses on the study of tissue morphology, embryonic development, and histologic features of the structure of the oral cavity. This course emphasizes the importance of general anatomy and dental anatomy. The student will learn about the body system and how this relates to the dental patient.

**Prerequisites:** None

**Textbooks:** <http://bookstore.wdt.edu>

Online Components:  
[www.evolve.elsevier.com](http://www.evolve.elsevier.com) for Modern Dental Assisting 11<sup>th</sup> Edition, Bird & Robinson, Elsevier/Saunders, (2014)

**Materials:** Computer with internet access

**Student Learning Outcomes:**

- Establish a professional vocabulary of oral embryological and histological terminology.
- Employ the knowledge of the gross anatomical structures of the head and neck to patient diagnosis and treatment of the oral cavity.
- Identify the histologic and anatomic features of the extraoral and intraoral structures.
- Relate the sequence and eruption patterns of primary and permanent teeth to their implications on future oral and overall health.
- Apply knowledge of tooth morphology, dental occlusion, head and neck anatomy, histology, and embryology to patient assessment, preventive management, treatment planning, and patient education.

**Assessment:** The core ability of analytical skills will be assessed throughout this course.

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