

# DHY 116 Oral Histology and Embryology

## Course Abstract

If you need accommodations due to a disability, contact Disability Services in Edison Hall Room 100, 732.906.2546.

To foster a productive learning environment, the College requires that all students adhere to the Code of Student Conduct which is published in the college catalog and website.

**Course ID and Name:** DHY 116 Oral Histology and Embryology

**Department: Dental Hygiene**

Course Instructor: Deborah Locke, RDH, BS, MBA

**Prerequisites:** None

**Course Description:**

This course examines in detail the histological structures of the oral cavity. There will be emphasis on the teeth, both primary and permanent dentitions, bones, muscles, nerves, glands, and blood vessels of the head and neck.

**General Education Status:**

**Credits:** 1 **Lecture Hours:** 1 **Lab Hours:** 0 **Practicum Hours:** 0 **Recitation Hours:** 0

**Learning Outcomes:**

1. Describe the embryologic process of development of oral structures. **C4, PC1, PC4, C9, HP1**
2. Describe the histological features of the tissues of oral structures. **C4, C9, PC1, PC4**

**Course Objectives:**

Upon completion of this series of lectures and demonstrations, and upon completion of written examinations, it is expected that the student will:

1. Identify the microscopic structures of cells and tissues. **C4, C9**
2. Differentiate epithelium, connective tissue, muscle tissue, and nervous tissue. **PC1, PC2**
3. Describe the embryologic development of the face and oral cavity. **C4, HP4**
4. Explain the structure and function of different tissue types. **C4, C9**
5. Explain the process of odontogenesis. **C4, C9, HP4**
6. Identify the microscopic structures of dental tissues: enamel, dentin, cementum **C4, C9**
7. Describe the microscopic anatomy of other oral tissues: oral mucosa, pulp, periodontal ligament, salivary glands and bone. **C4, C9**
8. Name, locate and describe the secretions of the major salivary glands. **C4, C9, PC1, PC4**
9. Describe the microscopic structure of the temporomandibular joint. **C4, C9**