

**LAST REVIEW: 2010 - 2011**

**NEXT REVIEW: 2015 - 2016**

**STATUS: A**

**COURSE TITLE: GENERAL AND ORAL PATHOLOGY**

**COMMON COURSE NUMBER: DEH 2400**

**CREDIT HOURS: 2**

**CONTACT HOUR BREAKDOWN**

**CLOCK HOURS:**  
*(Voc. Course ONLY)*

Lecture: 2      Lab: 0  
Clinic: 0      Other: N/A

**PREREQUISITE(S): DEH 1002, DEH 1002L**

**COREQUISITE(S): n/a**

**PRE/COREQUISITE(S): n/a**

**COURSE DESCRIPTION:** This course provides principles of general and oral pathology as it relates to diseases of the oral cavity. There will be emphasis on the importance of the dental hygienist's recognition of normal and abnormal conditions. This course includes a blackboard component.

### **UNIT TITLES**

1. Preliminary Diagnosis
2. Inflammation and Repair
3. Immunity
4. Genetics
5. Neoplastic Growth
6. Developmental Disorders
7. Systemic Diseases and Syndromes
8. Diseases Involving Oral Mucosa
9. Salivary gland disorders/neck masses

**EVALUATION:**

Grades will be determined by the following:

Tests -	45%
Class Participation -	5%
Assignments-	10%
Final Examination -	40%

The student's letter grade for this course will be determined by the departmental percentage scale:

92 - 100 = A

83 - 91 = B

75 - 82 = C

66 - 74 = D

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F

A final grade of "C" or higher must be achieved in all Dental Hygiene courses for continuance in the Program.

Assignments include in class group discussions on oral pathology topics and an in class presentation on an assigned pathologic condition. Instructions will be provided once topics are assigned.

All graded examinations and projects will be retained by the Dental Hygiene Department for the purpose of maintaining the student's academic records. The student may have access to his/her file upon request. An appointment may be necessary to do so.

**Common Course Number: DEH 2400**

## **UNITS**

### **Unit 1 Preliminary Diagnosis**

#### **General Outcome:**

- 1.0 The student shall:** be able to define diagnostic categories, giving examples of lesions in each category, which contribute to the diagnostic process.

#### **Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 1.1 Define oral pathology descriptive terminology.
- 1.2 Describe the process of cell injury and adaptation.
- 1.3 Define and describe soft tissue lesions.
- 1.4 Describe lesions according to color, size, and surface texture.
- 1.5 Define radiographic terms used to describe lesions in bone.
- 1.6 List and define 8 categories used in the diagnostic process.
- 1.7 Define and describe variants of normal in the oral cavity.
- 1.8 Describe benign conditions involving oral structures.
- 1.9 Review oral pathology slides of common oral lesions.

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**Unit 2 Inflammation and Repair**

**General Outcome:**

- 2.0 The student shall:** be able to recognize signs and symptoms of the body's inflammatory response, including repair and lesions associated with this process.

**Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 2.1 Define specific vocabulary associated with inflammation.
- 2.2 Define the terms inflammation and repair.
- 2.3 Compare and contrast acute and chronic inflammatory processes.
- 2.4 Describe the signs and symptoms of inflammation.
- 2.5 List and describe cellular structures associated with the inflammatory response.
- 2.6 Compare hyperplasia with hypertrophy.
- 2.7 Describe the process of repair after injury.
- 2.8 Describe various physical and chemical injuries of the oral tissues.

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**Unit 3 Immunity**

**General Outcome:**

- 3.0 The student shall:** be able to describe types of immunity processes and identify lesions associated with immune disorders.

**Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 3.1 Define antigen.
- 3.2 Describe the types of cells associated with the immune response.
- 3.3 Compare types of active and passive immunity.
- 3.4 Describe 4 types of hypersensitive reactions.
- 3.5 Define autoimmunity.
- 3.6 List and describe oral disease with immunologic pathogenesis and identify lesions associated with each.
- 3.7 Define infectious disease.

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**Unit 4 Genetics**

**General Outcome:**

**4.0 The student shall:** be able to define vocabulary associated with genetics, methods of cell division, and describe disorders associated with each.

**Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 4.1 Describe differences between inherited disorders and congenital disorders.
- 4.2 Review embryonic development of face and oral cavity.
- 4.3 Describe various developmental abnormalities of soft tissues.
- 4.4 Define developmental cyst.
- 4.5 Describe specific odontogenic and nonodontogenic cysts.
- 4.6 Describe 3 pseudocysts.
- 4.7 Describe developmental abnormalities of tooth structure.

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## **Unit 5 Neoplastic Growth**

### **General Outcome:**

- 5.0 The student shall:** be able to explain two categories of neoplastic growth, recognize specific tumors and the treatment and prognosis of each.

### **Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 5.1 Define benign and malignant and contrast the two.
- 5.2 Define neoplasia.
- 5.3 Describe causes of neoplasia.
- 5.4 List 2 categories of tumors.
- 5.5 Describe specific tumors associated with their classifications.
- 5.6 Describe treatment of each tumor and the prognosis of each.

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**Unit 6 Developmental Disorders**

**General Outcome:**

- 6.0 The student shall:** be able to recognize developmental disorders affecting the face, oral cavity, and tooth structures.

**Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 6.1 Define genetics.
- 6.2 Describe stages of mitosis and meiosis.
- 6.3 Differentiate between DNA and RNA.
- 6.4 Explain phenotype.
- 6.5 Describe chromosomal abnormalities.
- 6.6 Describe patterns of inheritance.
- 6.7 Describe various inherited disorders affecting the gingiva, jaw bones and face, oral mucosa, and teeth.

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**Unit 7 Systemic Diseases and Syndromes**

**General Outcome:**

- 7.0 The student shall:** be able to differentiate between various systemic diseases and oral manifestations associated with each.

**Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 7.1 Describe endocrine disorders and the oral lesions associated with each condition.
- 7.2 Describe 2 types of diabetes.
- 7.3 Describe specific diseases of bone.
- 7.4 List and describe types of anemia.
- 7.5 List and describe disorders of WBC's.
- 7.6 Describe bleeding disorders.
- 7.7 Differentiate between immunodeficiency disorders and describe oral lesions associated with each.

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**Unit 8 Diseases Involving Oral Mucosa**

**General Outcome:**

- 8.0 **The student shall: be able to** describe various diseases involving the oral mucosa.

**Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 8.1 Describe vesiculobullous lesions.
- 8.2 Describe the lesions of erythema multiforme.
- 8.3 Define and describe Steven's Johnson syndrome.
- 8.4 Define and describe pemphigoid.
- 8.5 Differentiate between various ulcerative lesions.
- 8.6 Define and describe exophytic lesions.
- 8.7 Differentiate among various red and white lesions.

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**Unit 9 Saliva Gland Disorders/Neck Masses**

**General Outcome:**

- 9.0 **The student shall: be able to list and describe the various salivary gland disorders and neck masses in terms of etiology, epidemiology, risk factors, clinical and microscopic features, treatment and prognosis.**

**Specific Measurable Learning Outcomes:**

**Upon successful completion of this unit, the student shall be able to:**

- 9.1 Describe neoplastic conditions to include mixed tumor and carcinomas.
- 9.2 Define Warthin's tumor.
- 9.3 Differentiate between a mucocele and ranula.
- 9.4 Define xerostomia.
- 9.5 Describe the oral effects of Sjogren's syndrome.
- 9.6 Define and describe parotitis.
- 9.7 Define lymphoma.
- 9.8 Describe metastatic carcinoma and its relationship to neck masses.
- 9.9 Define goiter and explain the endocrine disorder it is associated with.
- 9.10 Differentiate between a thyroid adenoma and thyroid carcinoma.