

COURSE INFORMATION

COURSE PREFIX/NO: **DHG 140**
COURSE TITLE: **General & Oral Pathology**
LECTURE HRS/WK: 2.0
LAB HOURS: 0.0
CREDIT HRS/SEMESTER: 2.0

[DL ATTENDANCE/VA STATEMENT](#)
[TEXTBOOK INFORMATION](#)

COURSE DESCRIPTION

This course provides a correlation of basic pathologic principles to disease processes in the oral cavity. The role of the dental hygienist in early disease detection is emphasized. Diagnosis, treatment, and prognosis of disease affecting the head and neck are discussed.

Co-Requisite: DHG 265, DHG 275, DHG 231 Pre-Requisite: DHG 255, DHG 230, DHG 143, DHG 141

LEARNING OBJECTIVES

1. Identify the basic principles of general and oral pathology.
2. Perform a preliminary oral cancer inspection of the oral cavity and associated structures.
3. Identify the procedures for preparing oral cytology smears prescribed by the dentist.
4. Identify the immune response as it relates to dentistry.
5. Recognize and identify anomalies of the head and soft tissues upon examination.
6. Know the etiology of pathological conditions of the hard and soft tissues of the oral cavity.
7. Describe cellular arrangements of benign and malignant growths.
8. Know how to read a biopsy report.
9. Identify the oral manifestation caused by systemic diseases.
10. Identify the oral manifestations caused by AIDS.

TEXT

Oral Pathology for the Dental Hygienist, 2nd ed., Ibsen and Phelan

COURSE REQUIREMENTS/MINIMAL STANDARDS

In order to successfully complete DHG 140, the student is required to fulfill the following requirements:

1. Attend all lecture sessions
2. Complete all reading assignments prior to class sessions
3. Successfully complete all quizzes with a minimum grade of 80%.
4. Successfully complete all written tests with a minimum grade of 80%.
5. Adhere to the dress code of the Dental Technologies Department.
6. Contact the instructor prior to class sessions when unavoidable absence occurs.

METHOD OF INSTRUCTION

Lecture
Audio-visual aids Discussions Quizzes
Reading Assignments Written Tests

EVALUATION STRATEGIES Testing

Students will be evaluated in DHG 140, General and Oral Pathology by taking weekly quizzes and written tests. The weekly quizzes will cover the lecture and reading material of the previous week. The quizzes will be averaged out to one major test grade. The lowest quiz grade will be dropped. The tests will be multiple choice.

Absenteeism

Students who are to be absent for the lecture must contact the instructor prior to the class. Any student who does not inform the instructor of the absence on a test day will have seven (7) points deducted from the test grade. Quizzes will not be allowed to be made up since the lowest quiz grade is dropped.

Students are responsible for making arrangements with the Testing center for setting up a testing date within one (1) week of the missed test. Failure to make up the missed test within one (1) week, will result with a grade of 0 for that test. Students must inform the instructor of the testing date so that the test can be sent to the Testing Center prior to the testing appointment.

Any absences in excess of 3 will be grounds for dismissal from the DHG Program. If a student is absent for more than three (3) consecutive days, a doctor's statement will be needed.

GRADING

The final grading scale for DHG 140 is as follows:

100-94 A
93-87 B
86 80 C
79-below F

The grade for DHG 140 will be determined as follows:

Quizzes 1/3
Mid Term 1/3
Final (Cumulative) 1/3

GENERAL AND ORAL PATHOLOGY DHG 140 COURSE OUTLINE

- I. Principles of Pathology & Oral Pathology
 - A. Definitions
 - B. Classifications of Disease
 - C. Etiologic Agents
 - D. Malformations
 - E. Degenerative Changes
 - F. Tissue Repair

- II. Clinical Examination
 - A. Examination Procedures
 1. extraoral examination
 2. intraoral examination
 - B. Examination Technique
 1. visual
 2. palpation
 3. retraction
 - C. Documentation

III. Immunology

- A. Immune System
- B. Immunopathology

IV. Developmental Anomalies of the Hard Tissues of the Oral Cavity

- A. Abnormalities of the Jaw
 - 1. cleft palate
 - 2. macroglossia
 - 3. micrognathia
- B. Developmental Disturbances of the Teeth
 - 1. supernumerary teeth
 - 2. dilaceration
 - 3. gemination
 - 4. fusion
 - 5. concrescence
 - 6. enamel hypoplasia
 - 7. hypocalcification
 - 8. hereditary disorders
 - 9. acquired teeth defects

V. Abnormalities of the Soft Tissues of the Oral Cavity

- A. Lip
 - 1. cleft lip
 - 2. congenital lip pits
 - 3. double lip
- B. Tongue
 - 1. macroglossia
 - 2. microglossia
 - 3. ankyloglossia
 - 4. bifid tongue
 - 5. central papillary atrophy
 - 6. fissured tongue
 - 7. geographic tongue
 - 8. hairy tongue
- C. Oral Mucosa
 - 1. white sponge nevus
 - 2. Fordyce's spots
 - 3. gingival fibromatosis

VI. Diseases of the Teeth and Surrounding Tissues

- A. Dental Caries
 - 1. etiology
 - 2. pattern of decay and progression
 - 3. classification of dental caries
 - 4. caries detection
 - 5. caries treatment
- B. Pulpal Disturbances
 - 1. pulpitis
 - 2. pulpal abscess
 - 3. pulp polyp
 - 4. internal resorption
 - 5. external resorption
- C. Cysts
 - 1. odontogenic
 - 2. nonodontogenic
 - 3. soft tissues

- D. Periodontal Disease
 - 1. periodontium
 - 2. etiology
 - 3. classification of periodontal disease
 - 4. prevention

VII. Oral Mucous Membrane Pathology

A. Overview of the Normal Oral Mucosa

B. Diagnostic Aids

- 1. biopsy
- 2. oral cytology

C. Oral Cellular and Tissue Alterations

- 1. microscopic changes
- 2. epithelial changes
- 3. connective tissue changes

D. Lesions of the Oral Mucosa

- 1. macule
- 2. papule
- 3. plaque
- 4. vesicle
- 5. bulla
- 6. ulcer
- 7. erosion
- 8. nodule
- 9. tumor
- 10. atrophy
- 11. scar
- 12. crust

E. Viral Infections

- 1. herpetic stomatitis
- 2. herpes simplex
- 3. herpes labialis
- 4. herptic whitlow
- 5. herpangina
- 6. herpes zoster

F. Ulceration

- 1. aphthous stomatitis
- 2. traumatic ulcer
- 3. aspirin burn
- 4. thermal burn
- 5. factitial trauma

G. Inflammatory Hyperplasia

- 1. pulis
- 2. pregnancy tumor
- 3. denture hyperplasia
- 4. papillary hyperplasia
- 5. pericoronitis
- 6. ANUG
- 7. syphilitic chancre
- 8. gumma

H. White Lesions

- 1. candidiasis
- 2. leukoplakia
- 3. nicotine stomatitis
- 4. lichen planus
- 5. leukoedema

6. pemphigus vulgaris
7. erythema multiforme

VIII. Benign and Malignant Growths

A. Benign Conditions

1. fibroma
2. dilantin hyperplasia
3. hemangioma
4. hematoma
5. spider nevus
6. neurofibroma
7. papilloma
8. osteoma
9. odontoma
10. ameloblastoma
11. cementoma

B. Malignant Conditions

1. squamous cell carcinoma
2. epidermoid carcinoma

IX. Systemic Disorders & Oral Manifestations

- A. Leukemia
- B. Endocrine & Metabolic Disease
- C. Pregnancy
- D. Cancer