

**STATE UNIVERSITY OF NEW YORK  
COLLEGE OF TECHNOLOGY  
CANTON, NEW YORK**



**COURSE OUTLINE**

**DHYG 160 – DENTAL PATHOLOGY**

Prepared by: **Dawn M. Fremont, RDH, BSEE, MEd**

**SCHOOL OF SCIENCE, HEALTH & CRIMINAL JUSTICE  
DENTAL HYGIENE AAS PROGRAM  
MARCH 2015**

## DHYG 160 – DENTAL PATHOLOGY

- A. **TITLE:** DENTAL PATHOLOGY
- B. **COURSE NUMBER:** DHYG 160
- C. **CREDIT HOURS:** 2
- D. **WRITING INTENSIVE COURSE:** No
- E. **COURSE LENGTH:** 15 weeks
- F. **SEMESTER(S) OFFERED:** SPRING
- G. **HOURS OF LECTURE, LABORATORY, RECITATION, TUTORIAL, ACTIVITY:**  
2 hours of lecture each week

H. **CATALOG DESCRIPTION:**  
This course provides the student with a background in both oral and general pathology. A survey of pathologic foundations of the diagnosis process, normal and abnormal conditions of tissues of the body and the mouth. Discussion on the correlation of physical and dental health in preparation for patient care in the clinical setting. Two hour lecture.

I. **PRE-REQUISITES/CO-COURSES:** Matriculation in dental hygiene or permission can be granted by the instructor.

J. **GOALS (STUDENT LEARNING OUTCOMES):** By the end of this course, the student will meet the following course learning outcomes which are linked the institutional learning outcomes. This course provides foundational learning for completing Dental Hygiene Program Competencies: 1.2, 1.4, 1.7, 1.15, 1.16, 2.1, 3.3, 3.7, 6.5, 6.6, 6.7, 7.4 and 8.1

Course Learning Outcomes	Institutional Outcomes
1. Describe injuries to the teeth and soft tissues.	2. Critical Thinking 3. Prof Competency
2. Accurately identify pathology and “variants of normal”.	2. Critical Thinking 3. Prof Competency
3. Describe oral diseases with immunologic pathogenesis.	2. Critical Thinking 3. Prof Competency
4. Identify and discuss the oral manifestations of bacterial, fungal and viral infections	2. Critical Thinking 3. Prof Competency
5. Identify and discuss conditions of the bones.	2. Critical Thinking 3. Prof Competency

\* Specific objectives are posted in ANGEL in the “objectives” folder.

K. **TEXTS:**  
Ibsen, Olga A.C., Phelan, Joan A., Oral Pathology for the Dental Hygienist, 6<sup>th</sup> Edition, Saunders, 2013.

Langlias, Robert P., Miller, Craig S., Color Atlas of Common Oral Diseases, 4<sup>th</sup> Edition, Lippincott, 2009.

L. **REFERENCES:** none

M. **EQUIPMENT:** none

N. **GRADING METHOD:** A-F

A letter grade will be issued utilizing the conversion table below. All students must achieve a minimum C grade in this course to maintain matriculation in the program.

A	94 - 100
B+	90 - 93
B	84 - 89
C+	80 - 83
C	75 - 79
D	74 - 70
F	69 or lower

**O. MEASUREMENT CRITERIA/METHODS:**

Quizzes  
Research Project  
Final Written Exam  
Final Slide Exam

**P. DETAILED COURSE OUTLINE:**

**I. Preliminary Diagnosis of Oral Lesions**

- A. Vocabulary
- B. Diagnostic Process
- C. Variants of Normal
- D. Benign Conditions of Unknown Etiology

**II. Inflammation and Repair**

- A. Inflammation
- B. Regeneration and Repair
- C. Injuries to Teeth
- D. Reactive Connective Tissue Hyperplasia
- E. Inflammatory Periapical lesions

**III. Immunity**

- A. Types of Immunity
- B. Immunopathology
- C. Oral Diseases with Immunological Pathogenesis
- D. Autoimmune Diseases That Affect the Oral Cavity

**IV. Infectious Diseases**

- A. Bacterial Infections
- B. Fungal Infections
- C. Viral Infections

**V. Developmental Disorders**

- A. Embryonic Development of the Face, Oral Cavity and Teeth
- B. Developmental Soft Tissue Abnormalities
- C. Developmental Cysts
- D. Developmental abnormalities of the Teeth

**VI. Genetics**

- A. Chromosomal Abnormalities
- B. Patterns of Inheritance

**VII. Neoplasia**

- A. Causes of Neoplasia
- B. Classification of Tumors
- C. Names of tumors
- D. Treatment of Tumors
- E. Epithelial Tumors
- F. Salivary Gland Tumors
- G. Odontogenic Tumors
- H. Tumors of Soft Tissues
- I. Tumors of Melanin Producing Cells
- J. Tumors of Bone and Cartilage
- K. Tumors of Blood and Blood Forming Tissues
- L. Metastatic Tumors of the Jaw

**VIII. Non-neoplastic Diseases of Bone**

- A. Benign Fibro Osseous Lesions
- B. Paget Disease of Bone
- C. Osteomalcia

**IX. Oral Manifestations of Systemic Diseases**

- A. Endocrine Disorders
- B. Blood Disorders
- C. Immunodeficiency
- D. Oral Manifestations of Therapy for Oral Cancer
- E. Effects of Drugs on the Oral Cavity

**Q. LABORATORY OUTLINE: Not applicable**