

DHYG 3750 - Oral Pathology

Fall 2026 Syllabus, Section 01, CRN 41177,

Credit hours: 2

Instructor

Lauren DeSantis

Email: lcdesantis@ysu.edu

Public Instructor Information

Instructor Title: Professor

Instructor Professional Qualifications: MDH, The Ohio State University, 2015; Bachelor's of Science in Dental Hygiene, The Ohio State University, 2010; EFDA, Youngstown State University, 2017

Instructor Office Location: Cushwa Hall, Room 1431

Instructor Office Phone: 330-941-3342

Course Description

3750. Oral Pathology. The cause and nature of disease, together with anatomical, histological and functional changes. Observation and evaluation of the patients' systemic and oral health status as it relates to treatment planning. Special emphasis is given to oral pathology and case studies. Prereq.: DHYG 2640. 2 s.h.

1. Course Outline:

1. Introduction to preliminary diagnosis of Oral Lesions
 - a. Diagnostic process
 - b. Introduction to vocabulary
 - c. Variants of normal
 - d. Benign conditions
2. Inflammation and Repair
 - a. Injury
 - b. Defenses
 - c. Inflammation
 - d. Tissue responses
 - e. Tissue repair
 - f. Injuries to teeth
 - g. Injuries to soft tissue
 - h. Periapical lesions
3. Immune Oral Lesions
 - a. Immune response
 - b. Antigens
 - c. Divisions of immune response
 - i. Passive immunity
 - ii. Active immunity
 - d. Cytokines
 - e. Immunopathology
 - f. Immune lesions and disease
 - i. Aphthous ulcers
 - ii. Urticaria
 - iii. Angioedema
 - iv. Allergic contact mucositis
 - v. Dermatitis
 - vi. Erythema multiforme, minor and major

- vii. Steven-Johnson Syndrome
 - viii. Lichen Planus
- 4. Infectious Diseases
 - a. Bacterial
 - b. Fungal
 - c. Viral
 - d. HIV
- 5. Developmental Disorders
 - a. Embryonic Development
 - b. Soft Tissue
 - c. Cysts
 - d. Abnormalities of teeth
- 6. Genetics
 - a. Chromosomal
 - b. Normal Cell Division
 - c. Genes and Chromosomes
- 7. Neoplasia
 - a. Description
 - b. Causes
 - c. Classifications
 - d. Names
 - e. Epithelial tumors
 - f. Squamous tumors
 - g. Soft tissue tumors
 - h. Blood and cartilage tumors
 - i. Metastatic tumors
- 8. Nonneoplastic
 - a. Benign lesions
 - b. Paget disease
 - c. Osteomalacia
 - d. Bone cyst(s)
- 9. Oral Manifestations
 - a. Endocrine disorders
 - i. Red blood cells and hemoglobin
 - ii. White blood cells
 - iii. Celiac disease
 - b. Bleeding disorders
 - c. Oral Cancer
 - i. Radiation therapy
 - ii. Chemotherapy
- 10. Orofacial Pain
 - a. Burning mouth syndrome
 - b. Trigeminal neuralgia
 - c. Bell's Palsy
 - d. Temporomandibular Joint Disorders (TMD)

Course Readings

Group	Title	Author	ISBN
Required	Oral Pathology for the Dental Hygienist with General Pathology Instructions	Ibsen, Olga A.C., Peters, Scott M., 8th Edition, 2022	

Required Text:

Oral Pathology for the Dental Hygienist, With General Pathology Introductions. Ibsen, Olga A.C., Peters, Scott M., 8th Edition, 2022.

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Fri	8/28	Chapter 1	Syllabus Review/ Introduction to Preliminary Diagnosis of Oral Lesions	Review chapter and powerpoint slides
Fri	9/4	Chapter 1 and Chapter 2	Finish Introduction to Preliminary Diagnosis of Oral/ Begin Lesions and Inflammation and Repair	chapter reading and power point slides
Fri	9/11	Chapter 2	Finish Inflammation and Repair	chapter reading and power point slides study guide to prepare for quiz 1
Fri	9/18	Chapter 3	QUIZ 1 covering chapters 1 and 2 Immunity and Immunologic Oral Lesions	chapter reading and power point slides
Fri	9/25	Chapter 4	Infectious Diseases	chapter reading and power point slides study guide to prepare for quiz 2
Fri	10/2	Chapter 5	Quiz 2 covering chapters 3 and 4 Developmental Disorders	chapter reading and power point slides study guide and prepare for midterm
Fri	10/9	Chapter 6	Genetics	chapter reading and power point slides study guide, prepare for midtem assignment #1 is available on black board to complete
Fri	10/16	No readings due	Midterm covering chapters 1-6 Assignment #1 due in black board by 11:59 PM	
Fri	10/23	No class, continuing education		
Fri	10/30	Chapter 7	Neoplasia diseases of bone	chapter reading and power point slides
Fri	11/6	Chapter 8 and 9	Non-neoplastic diseases of bone and begin oral manifestations of systemic disease	chapter readings and power point slides study guide to prepare for quiz 3
Fri	11/13	Chapter 9	Quiz 3 covering chapters 7 and 8 Finish oral manifestations of systemic diseases	chapter readings and power point slides
Fri	11/20	Chapter 10	Orofacial Pain and TMD	Chapter reading and power point slides Prepare final study guide for final exam
Fri	11/27	No Class, off for Thanksgiving		
Fri	12/4	No Readings	Qui 4 covering chapters 9 and 10 Final Review Assignment #2 due in black board by 11:59 PM	Final study guide
Fri	12/11	No reading	Final Exam 11:00 AM-12:50 PM	

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.