

DH 80 Course Outline as of Fall 2019**CATALOG INFORMATION**

Dept and Nbr: DH 80

Title: ORAL PATHOLOGY

Full Title: Oral Pathology for the Dental Hygienist

Last Reviewed: 8/27/2018

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	2.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	2.00	Lab Scheduled	0	8	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	2.00		Contact Total	35.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 105.00

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

Catalog Description:

This course is designed to provide an introduction to clinical and diagnostic general and oral pathology. Emphasis will be placed on the recognition of the presence of abnormalities. The student will gain foundational knowledge upon which to base a differential diagnosis of any lesion which is likely to be met in the general dental practice.

Prerequisites/Corequisites:

Course Completion of DH 74 and Concurrent Enrollment in DH 79

Recommended Preparation:**Limits on Enrollment:**

Acceptance to the Allied Dental Programs.

Students are accepted into a Dental Program through the application process and as a cohort and take courses in sequential order.

Schedule of Classes Information:

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lesion which is likely to be met in the general dental practice. (Grade Only)

Prerequisites/Corequisites: Course Completion of DH 74 and Concurrent Enrollment in DH 79

Recommended:

Limits on Enrollment: Acceptance to the Allied Dental Programs.

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Transfer Credit: CSU;

Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:
IGETC:	Transfer Area	Effective:	Inactive:
CSU Transfer:	Transferable	Effective: Fall 2000	Inactive:
UC Transfer:		Effective:	Inactive:

CID:

Certificate/Major Applicable:

Major Applicable Course

COURSE CONTENT

Student Learning Outcomes:

At the conclusion of this course, the student should be able to:

1. Correlate and integrate didactic knowledge of oral diseases to the clinical practice of dental hygiene.
2. Apply background knowledge to facilitate clinical recognition and appropriate referral of oral pathologic conditions.

Objectives:

At the conclusion of this course, the student should be able to:

1. Define basic terminology relating to oral pathology and describe the clinical appearance of soft tissue lesions.
2. List and define the eight diagnostic categories that contribute to the diagnostic process.
3. Explain inflammation including clinical appearance and healing process of the body.
4. Describe the process of regeneration and repair.
5. Describe injuries to the teeth.
6. Describe injuries to the oral soft tissues.
7. Describe findings of injuries and inflammation on images.
8. Describe the primary differences between the immune response and the inflammatory response.
9. Describe immunologic pathogenesis of oral diseases.
10. Describe, give clinical/radiographic manifestations and therapy for autoimmune diseases that affect the oral cavity.
11. Describe, give clinical/radiographic and oral manifestations and therapy for infectious diseases that affect the oral cavity.
12. Describe, give clinical/radiographic manifestations and therapy for fungal diseases that affect

- the oral cavity.
13. Define and describe developmental disorders/abnormalities of hard and soft tissues.
 14. Define and describe odontogenic and non odontogenic cysts.
 15. Describe and give clinical/radiographic manifestations and therapy for developmental abnormalities
 16. Discuss common etiologies for neoplasms.
 17. Identify the differences between benign and malignant neoplasms
 18. Describe and give clinical/radiographic manifestations and therapy for benign and malignant neoplasms.
 19. Explain what is meant by a gross chromosomal abnormality and give three examples of syndromes that result from gross chromosomal abnormalities.
 20. List the four inheritance patterns.
 21. Give the inheritance pattern and describe the oral manifestations and if appropriate the characteristics for inherited diseases.
 22. Discuss the significance of systemic diseases to oral health and apply this knowledge to patient care planning
 23. Describe and give clinical/radiographic manifestations and therapy for systemic diseases which include oral manifestations.
 24. Describe symptoms suggestive of temporomandibular disorder
 25. Describe and give clinical/radiographic manifestations and therapy for temporomandibular disorders.
 26. Describe how imaging is used in the evaluation of a patient with symptoms suggestive of temporomandibular dysfunction.

Topics and Scope:

- I. Overview of General Pathology
 - A. Basic descriptive terminology
 - B. Basic imaging terminology
- II. Introduction To Preliminary Diagnosis of Oral Lesions
 - A. The diagnostic process
 - B. Variants of normal
- III. Inflammatory Process And Repair
 - A. Inflammation
 1. acute
 2. chronic
 - B. Regeneration and repair
- IV. Physical and Chemical Injury
 - A. Injury to teeth
 - B. Injury to soft tissues
 - C. Radiographic findings
- V. Immunity
 - A. The immune response
 1. antigen
 2. antibody
 3. response
 - B. Cells of the immune response
 - C. Active/passive immunity
 - D. Divisions of the immune response
 - E. Immunopathology
 1. hypersensitivity
 2. autoimmune disease

- F. Infections
 - 1. bacterial
 - 2. viral
 - 3. fungal
- VI. Developmental Disorders
 - A. Inherited disorders
 - B. Developmental soft tissues abnormalities
 - C. Developmental cysts
 - D. Developmental abnormalities of the teeth
- VII. Neoplasia
 - A. Etiology
 - B. Classification and nomenclature
 - C. Treatment of neoplasms
 - D. Neoplasia classified as precancerous
 - E. Neoplasia of epithelial origin
 - F. Salivary gland neoplasia
 - G. Odontogenic neoplasia
 - H. Neoplasia of muscle, vessels, bone, cartilage and blood tissues
 - I. Metastatic neoplasia of the jaws
 - J. Oral sequelae of oral cancer therapy
- VIII. Genetics
 - A. Review of cell division
 - B. Chromosomal abnormalities
 - C. Patterns of inheritance
 - D. Genetic disorders of the oral cavity
 - E. Genetic disorders of the teeth
- IX. Oral Manifestations of Systemic Diseases
 - A. Significance of systemic diseases
 - B. Endocrine disorders
 - C. Diseases of bones and joints
 - D. Blood and bleeding disorders
 - E. Diseases of the skin
 - F. Diseases of nerves and muscles
 - G. Immunodeficiency (Human Immunodeficiency Virus (HIV) infections)
- X. Temporomandibular Disorders
 - A. Clinical signs and patient symptoms
 - B. Radiographic diagnostic procedures
 - C. Treatment

Assignment:

- 1. Quizzes (4-8)
- 2. Readiness Assessment Evaluation (5-10)
- 3. Midterm
- 4. Final examination
- 5. Case based exercises (2-4)
- 6. Oral presentations of pathology cases (2)
- 7. Reading, not graded 20-30 pages per week

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Readiness assessment forms

Writing
10 - 20%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Case-based exercises, student oral case presentations

Problem solving
10 - 20%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations
0 - 0%

Exams: All forms of formal testing, other than skill performance exams.

Quizzes, Midterm, Final

Exams
60 - 80%

Other: Includes any assessment tools that do not logically fit into the above categories.

None

Other Category
0 - 0%

Representative Textbooks and Materials:

Oral Pathology for the Dental Hygienist. 7th ed. Ibsen, Olga and Phelan, Joan. Elsevier. 2018
Dental Hygiene Theory and Practice. 4th ed. Darby, Michele and Walsh, Margaret. Elsevier. 2015

Instructor prepared materials