

MASTER SYLLABUS

COURSE NO., HOURS AND TITLE: DH 248-4 General and Oral Pathology

INSTRUCTOR:

TBD

INSTRUCTOR CONTACT INFORMATION:

Telephone: TBD

E-mail: TBD

Office Location: TBD

Office Hours: TBD

COURSE DESCRIPTION:

This course has been designed to integrate oral pathology and general pathology. Students will study principles of general pathology with emphasis on the relationships to oral diseases. Pathologic physiology is included. Clinical features, significance, causes, locations, oral manifestations and treatment of general system diseases are presented.

PREREQUISITE TO: DH 210, 226, 233.

COURSE OBJECTIVES:

Upon completion of this course, the student will be able to:

1. Describe the essential components of a typical cell and explain how the functions of the cell are affected when presented with disease and injury.
2. Explain the components involved in an inflammatory response and describe the role of the inflammatory response in healing and repair.
3. Recall and discuss the incredible role that the immune system plays in maintaining health and overcoming disease.
4. Identify and describe various immune-mediated disorders including location, clinical features, unique characteristics, and possible treatment when presented on a written exam or projected on a slide.
5. Indicate the etiology, location, clinical features, and possible treatment of a given oral infection when presented on a written exam or projected on a slide.

6. Recall and describe the cause, location, clinical feature, and possible treatment of a given physical or chemical injury involving oral tissues when presented on a written exam or projected on a slide.
7. Compare, contrast, and classify neoplasm as benign or malignant and describe the cellular and clinical manifestations of each.
8. Discuss the epidemiology and possible causes of cancer.
9. Describe the cause, location, clinical feature, possible treatment and prognosis of epithelial disorders when presented on a written exam or projected slide.
10. Identify the cause, location, clinical feature and significance of genetic and developmental diseases when presented on a written exam or projected slide.
11. Indicate the etiology, location, clinical features and possible treatment of various developmental disturbances of the oral region when presented on a written exam or projected slide.
12. Indicate the cause, location, clinical and radiographic features, and possible treatment of various cysts of the oral region when presented on a written exam or projected slide.
13. Define and describe the key terms and concepts associated with fluid balance and hemodynamic disorders when presented on a written exam.
14. Recall the cause, physiologic characteristics and manifestations, clinical significance, symptoms and possible treatment of various cardiovascular conditions when presented on a written exam.
15. Recall the cause, physiologic characteristics and manifestations, symptoms and possible treatment of various respiratory conditions when presented on a written exam.
16. Describe the etiology, physiopathology, clinical manifestations, prognosis and possible treatment of diseases of blood when presented on a written exam.
17. Identify the cause, physiologic characteristics and manifestations, prognosis and possible treatment of conditions of gastrointestinal system when presented on a written exam.
18. Identify the cause, physiologic characteristics and manifestations, prognosis and possible treatment of conditions of pancreas when presented on a written exam.
19. Identify the cause, physiologic characteristics and manifestations, prognosis and possible treatment of conditions of the liver and biliary system when presented on a written exam.
20. Indicate the cause, location, clinical and radiographic features, and possible treatment of various salivary gland lesions when presented on a written exam or projected on a slide.

21. Indicate the cause, location, clinical and radiographic features, and possible treatment of various infections of teeth and bone when presented on a written exam or projected on a slide.
22. Indicate the etiology, location, clinical features and significance, and possible treatment of various endocrine disorders when presented on a written exam or projected on a slide.
23. Indicate the cause, location, clinical and radiographic features and possible treatment of various bone lesions when presented on a written exam or projected on a slide.
24. Indicate the cause, location, clinical and radiographic features and possible treatment of various odontogenic tumors when presented on a written exam or projected on an exam.
25. Indicate the cause, location, clinical features and possible treatment of conditions of the skin when presented on a written exam or projected on a slide.
26. Indicate the cause, location, clinical features, and possible treatment of various conditions of the nervous system when presented on a written exam or projected on a slide.
27. Indicate the cause, location, clinical features and possible treatment of various connective tissue disorders when presented on a written exam or projected on a slide.
28. Make judgmental decisions during clinical extra- or intra-oral examination to determine if the abnormal condition present requires no change in normal clinical procedures, does require some change or alteration of normal clinical procedures, or is significant enough to require referral immediately to the dentist for diagnosis and/or treatment.
29. Review case histories and extrapolate the significant information to assist in diagnoses and treatment planning.

TOPICAL OUTLINE:

Topics	Percentages
I. Cell Pathology	3%
II. Inflammation	5%
III. Immunopathology	4%
IV. Immune-mediated disorders	7%
V. Oral Infections	7%
VI. Physical and Chemical Injuries to the Oral Tissues	7%

VII. Neoplasia	3%
VIII. Epithelial Disorders	4%
IX. Genetic and Developmental Diseases	2%
X. Developmental Disturbances of the Oral Region	7%
XI. Cysts of the Oral Region	7%
XII. Fluid and Hemodynamic Disorders	1%
XIII. The Cardiovascular System	4%
XIV. The Respiratory System	2%
XV. The Hematopoietic and Lymphoid Systems	1%
XVI. Diseases of the Blood	3%
XVII. The Gastrointestinal System	1%
XVIII. The Pancreas	1%
XIX. The Liver and Biliary Tract	2%
XX. Salivary Gland Disorders	7%
XXI. Infections of the Teeth and Bone	6%
XXII. The Endocrine System	2%
XXIII. Bones and Joints	2%
XXIV. Bone Lesions	4%
XXV. Odontogenic Tumors	4%
XXVI. The Skin	1%
XXVII. Connective Tissue Lesions	3%

TEXTBOOKS:

Required:

DeLong, L. & Burkhart, N.W. (2013). *General and Oral Pathology for the Dental Hygienist*. 2nd Ed. Lippincott Williams & Wilkins, Philadelphia, PA.