

MASTER SYLLABUS

COURSE NO., HOURS AND TITLE: DH 341L-1 Periodontics & Local Anesthesia Practicum

INSTRUCTOR:

TBD

INSTRUCTOR CONTACT INFORMATION:

Telephone: TBD

E-mail: TBD

Office Location: TBD

Office Hours: TBD

COURSE DESCRIPTION:

The student will be introduced to the identification, treatment, and prevention of pathological conditions that affect the periodontium. Emphasis will be placed on anatomy and histology of the periodontium. Etiology of periodontal diseases and resulting tissue changes. Includes assessment, diagnosis, and initial treatment of periodontal diseases. The course will also provide a working knowledge of local anesthesia as applied to the practice of dental hygiene. Students will be provided with the knowledge and skills necessary to administer both maxillary (infiltration) and mandibular (block) injections proficiently and safely. Lab two hours. Laboratory fee \$50. Concurrent enrollment with DH 340, and DH 341. Prerequisites: DH 212, DH 220, DH 220C and DH 226.

COURSE OBJECTIVES:

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

Basic periodontology

1. State the goal of nonsurgical periodontal therapy (NSPT).
2. Identify clinical radiographic and histological characteristics of the periodontium
3. Explain the etiology and pathogenesis of periodontal disease including systemic factors and microbiology.
4. Classify periodontal disease based on clinical characteristics and observations in accordance with the American Academy of Periodontology (AAP).
5. Prepare a clinical record of a patient's existing periodontal conditions: plaque scores, state of gingival tissues, pocket depths, gingival levels (attachment loss), radiographic appearance, occlusion, and other pertinent findings.
6. Develop an appropriate dental hygiene treatment plan based on clinical findings employing ADPIE(D). See Core Competencies included with this syllabus.
7. Identify and use techniques and instrumentation involved in periodontal debridement: scaling and root planing.
8. Identify and use procedures in the prevention of periodontal diseases: mechanical, drugs, nutrition, local factors, and index scores.
9. Describe various periodontal surgical procedures and soft tissue management techniques. *(Covered more in-depth in DH 441)*
10. Use effective communication with patients and peers on providing information about the various aspects of periodontics and disease prevention.

Local anesthesia administration

11. Evaluate patient medical history and physical status relative to administration of local anesthetics and vasoconstrictors.

12. Describe preparation of patient for administration of local anesthesia.
13. Select appropriate armamentarium for administration of local anesthesia.
14. Apply proper techniques in the administration of local anesthesia.
15. Administer local anesthesia properly, proficiently, and safely.
16. Provide post-operative instructions and proper record keeping techniques.

CONTENT OUTLINE:

Topics	Percentages
I. Patient Assessment Review	
a. Periodontal probing (LOA)	
b. Oral Landmarks	10%
II. Periodontal Indices (CPI, PFS, bleeding and debris indices)	5%
III. Periodontal Dressing and Suture Removal	2%
IV. Review of Powered Scalers	2%
V. Instrumentation Techniques/Probing/Detection/Root Plane	10%
VI. Chemotherapeutics used in periodontal treatment	2%
VII. Local Anesthesia Practicum	
A. Review of Medical History, Medical Emergencies	5%
B. Application of Topical Anesthesia (Benzocaine, Oraqix ®)	5%
C. Local Anesthesia Delivery	50%
a. Armamentarium, patient/operator preparation	
b. Injection and administration techniques	
c. Post-operative instructions and record keeping	
VIII. Case Studies.....	9%
Total Time:	100%

TEXTBOOKS:

Required: Gehrig, JS & Willmann, DE. *Foundations of periodontics for the dental hygienist, 4th ed.* Lippincott, Williams & Wilkins, 2011: Philadelphia