Dental Hygiene (DNTL) 2130 Periodontics I (3) CSU
[formerly Dental Hygiene 30]

Prerequisite: Successful completion of all first and second semester Dental Hygiene Program courses with a grade of “C” or higher

Advisory: None

Total Hours: 48 hours lecture

Catalog Description: This course in periodontics teaches identification of the normal periodontium and recognition of deviations from normal and the etiology and principles of periodontal diseases, examination procedures, treatment and preventative measures.

Type of Class/Course: Degree Credit

Text:

Additional Materials:

Course Objectives:

By the end of the course, a successful student will be able to:

1. identify and explain healthy tissues of the periodontium
2. recognize deviations from the normal periodontium
3. recognize and describe the clinical, radiographic and histopathologic features of periodontal disease
4. describe the microbiology of bacterial plaque
5. describe the formation, composition and pathology of dental calculus
6. identify and classify gingival and periodontal diseases
7. describe the etiology of gingival and periodontal diseases
8. identify local contributing factors in periodontal disease
9. describe the host immune and inflammatory response involved in periodontal destruction
10. describe the mechanism of periodontal disease progression in smokers
11. describe the role of occlusal forces as an etiological factor in periodontal disease
Course Scope and Content (Lecture)

Unit I  The Periodontium in Health
   A. Periodontium: The Tooth Supporting Structures
   B. Microscopic Anatomy of the Periodontium

Unit II  Classification and Tissue Destruction in Periodontal Diseases
   A. The Progression of Periodontal Disease
   B. Classification of Periodontal Disease and Conditions
   C. Search for Causes of Periodontal Disease

Unit III  Etiology of Periodontal Disease
   A. Oral Biofilm and Periodontal Infections
   B. Local Contributing Factors
   C. Basic Concepts of Immunity and Inflammation
   D. Host Immune Response to Periodontal Pathogens
   E. Systemic Factors associated with Periodontal Disease
   F. Smoking and Periodontal Disease
   G. Etiologic Factors: Risk for Periodontal Disease

Unit IV  Gingival Disease
   A. Clinical Features of the Gingiva
   B. Diseases of the Gingiva

Unit V  Periodontitis
   A. Chronic Periodontitis
   B. Aggressive Periodontitis
   C. Other Periodontal Conditions
   D. Periodontitis as a Risk Factor for Systemic Disease

Learning Activities Required Outside of Class:

The students in this class will spend a minimum of 6 hours per week outside of the regular class time doing the following:

1. Independent reading and study
2. Independent research
3. Analyzing case studies
4. Research the fundamentals of a clinical periodontal case study

Methods of Instruction:

1. Lecture
2. Class discussions
3. Audio-visual
4. Analysis of case studies
Methods of Evaluation:

1. Multiple choice questions
2. Matching questions
3. True/false questions
4. Case study analysis

Supplemental Data:

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<th>124020: Dental Hygienist</th>
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