

Reviewed by: S. Jennings  
Reviewed by: S. Eastman  
Reviewed By: D. Champion  
Reviewed by: E. Hershkowitz  
Date Prepared: August 17, 2015  
Date Reviewed: Fall 2016  
Text Update: Fall 2015  
C&GE approved: May 09, 2016

Dental Hygiene (DNLT) 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:

Nield-Gehrig, Jill, and Donald E. Willmann, *Foundations of Periodontics for the Dental Hygienist*. 4th ed.

Baltimore: LWW, 2016. Print.

Additional Materials:

Thomas, Evelyn. *Case Studies in Dental Hygiene*. 3rd ed. New Jersey: Pearson, 2013. Print.

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:**

TOP Code:	124020: Dental Hygienist
SAM Priority Code:	C: Clearly Occupational
Distance Education:	Not Applicable
Funding Agency:	Y: Not Applicable(funds not used)
Program Status:	1: Program Applicable
Noncredit Category:	Y: Not Applicable, Credit Course
Special Class Status:	N: Course is not a special class
Basic Skills Status:	N: Course is not a basic skills course
Prior to College Level:	Y: Not applicable
Cooperative Work Experience:	N: Is not part of a cooperative work experience education program
Eligible for Credit by Exam:	NO
Eligible for Pass/No Pass:	NO
Taft College General Education:	NONE