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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

Hours and Unit Calculations:

48 hours lecture. 96 Outside of class hours. (144 Total Student Learning Hours) 3 Units

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*. 5th ed. Baltimore: LWW, 2016.

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

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 Diseases Affecting the Periodontium

- A. Overview of Diseases of the Periodontium
- B. Classification of Periodontal and Peri-Implant Diseases and Conditions
- C. Clinical Features of the Gingiva
- D. Periodontal Health, Gingival Diseases and Conditions
- E. Periodontitis
- F. Other Conditions Affecting the Periodontium
- G. Peri-Implant Health and Diseases
- H. Clinical Decision Making for Periodontal Care

Unit III Risk Factors for Periodontal Disease

- A. Shared Decision-Making for Periodontal Care
- B. Etiological Factors: Risk for Periodontal Disease
- C. Basic Concepts of Immunity and Inflammation Oral Biofilms
- D. Basic Concepts of Immunity and Inflammation
- E. Host Immune Response to Plaque Biofilm
- F. Systemic Risk Factors That Amplify Susceptibility to Periodontal Disease
- G. Local Factors Contributing to Periodontal Disease
- H. Tobacco, Smoking, and Periodontal 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. Researching the fundamentals of a clinical periodontal case study

Methods of Instruction:

- 1. Lecture
- 2. Class discussions
- 3. Internet research
- 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
Discipline:	Dental Technology