

Reviewed by: S. Eastman
Reviewed by: E. Hershkowitz
Reviewed by: S. Jennings
Reviewed by: D. Champion
Reviewed by: K. Donovan
Date reviewed: Spring 2015
Date prepared: July 20, 2015
Text Updated: Fall 2015
C&GE: approved May 09, 2016

Dental Hygiene (DNLT) 2133 Advanced Clinical Topics (2 Units) CSU
[formerly Dental Hygiene 33]

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

Total Hours: 32 hours lecture

Catalog Description:

This course teaches the student to perform advanced techniques required in treating periodontal disease. Included are comprehensive periodontal assessment, advanced instrumentation techniques, soft tissue curettage, and the latest treatment modalities available in the profession. The current standards of care for patients with all classes of periodontal disease are emphasized.

Type of Class/Course: Degree Credit

Text:

Nield-Gehrig, Jill S. and Donald E. Willmann. *Foundations of Periodontics for the Dental Hygienist*. 4th ed. Philadelphia: LWW, 2015. Print.

Nield-Gehrig, Jill S. *Fundamentals of Periodontal Instrumentation and Advanced Root Instrumentation*. 7th ed. Philadelphia: LWW, 2013. Print.

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

Wilkins, Esther M. *Clinical Practice of the Dental Hygienist*, 11th ed. Baltimore: LWW, 2013. Print.

Additional Required Materials: None

Course Objectives:

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

1. recognize the indications/contraindications for soft tissue curettage, define the different types of curettage, explain home care after curettage and demonstrate the technique for gingival curettage,

2. indications/contraindications of ultrasonic instrumentation, understand the differences in the tip design and demonstrate correct procedure and technique for using the ultrasonic scaler,
3. select instruments appropriate for root morphology, introduction of more advanced periodontal instruments, and demonstrate advanced instrumentation techniques for the periodontal patient,
4. understand the different types and delivery of antimicrobial agents and antibiotics,
5. select appropriate desensitizing agents
6. complete a periodontal assessment, correctly perform calculations, and interpret the findings,
8. formulate a nonsurgical treatment plan for a periodontally involved patients,
9. identify radiographic evidence of periodontal disease,
10. describe the relationship between biofilm/plaque and periodontal disease,
11. recognize the role that nutrients play in oral and periodontal health,
12. discuss the advantages and the disadvantages for using products that contain Xylitol,
13. identify oral hygiene aides and indications for use in periodontally involved patients,
14. recognize the role of pain control procedures (noninjectable/topical) during nonsurgical treatment,
15. evaluate and understand the importance of healing following nonsurgical therapy,
16. apply the recommendations of the American Academy of Periodontology regarding referral of patients to a periodontist.

Course Scope and Content:

- | | |
|----------|---|
| Unit I | Advanced Instrumentation <ol style="list-style-type: none"> A. Ultrasonic instrumentation B. Periodontal instrumentation and root morphology |
| Unit II | Clinical Periodontal Assessments <ol style="list-style-type: none"> A. Components of the assessment B. Calculations/interpretation C. Supplemental diagnostic testing |
| Unit III | Patient's Role in Nonsurgical Periodontal Therapy <ol style="list-style-type: none"> A. Self-care B. Tooth-brushing and tongue cleaning C. Interdental care D. Irrigation and rinses |
| Unit IV | Nutritional Care for the Periodontium <ol style="list-style-type: none"> A. Nutrient deficiencies seen in the periodontium B. Nutrients that promote periodontal health C. Nutritional counseling for a healthy periodontium |
| Unit V | Periodontal Soft Tissue Curettage <ol style="list-style-type: none"> A. Indications/contraindications B. Post procedure evaluation of periodontal soft tissue curettage C. Complications and management of periodontal soft tissue curettage D. Armamentarium for periodontal soft tissue curettage E. Techniques of periodontal soft tissue curettage |
| Unit VI | Radiographic Analysis of the Periodontium <ol style="list-style-type: none"> A. Radiographic assessment of bone loss B. Identification of local risk factors contributing to bone loss |
| Unit VII | Chemical Agents Used in the Prevention and Treatment of Periodontal |

- Disease
- A. Topically delivered
- B. Systemic

- Unit VIII Treatment Planning for Patients with Periodontal Disease
 - A. Assigning a periodontal diagnosis
 - B. Treatment sequencing
 - C. Legal considerations

- Unit IX Nonsurgical Periodontal Therapy
 - A. Principles of therapy
 - B. Objective and rationale for periodontal instrumentation
 - C. Decisions following therapy

- Unit X Adjuncts to Treatment
 - A. Pain control
 - B. Xylitol
 - C. Desensitizing agents

Learning Activities Required Outside of Class:

The students in this class will spend a minimum of 4 hours per week outside of the regular class time doing the following:

1. Completing required reading
2. Skill practice
3. Data collected for a three-day personal food diary

Methods of Instruction:

1. Lecture
2. Class discussions
3. Audio-visual presentations
4. Demonstrations
5. Guest lecturers

Methods of Evaluation:

1. Examinations and quizzes, including:
 - a. multiple choice questions
 - b. periodontal charting
 - c. true/false questions
 - d. case study questions
2. Nutritional analysis
3. Performance evaluations on:
 - a. Periodontal charting
 - b. Periodontal soft tissue curettage
 - e. Local irrigation
 - f. Advance periodontal instrumentation

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