

**DH 85 Course Outline as of Fall 2019****CATALOG INFORMATION**

Dept and Nbr: DH 85

Title: ADV PERIODONTAL CARE

Full Title: Advanced Periodontal Dental Hygiene Care

Last Reviewed: 2/11/2019

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	2.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	2.00	Lab Scheduled	0	17.5	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	2.00		Contact Total	35.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 105.00

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

**Catalog Description:**

Advanced principles of periodontology for the dental hygienist, including the role of the dental hygienist in identifying appropriate surgical modalities for treatment of periodontal diseases and providing post surgical specialized periodontal maintenance care.

**Prerequisites/Corequisites:**

Course Completion of DH 79 and Concurrent Enrollment in DH 71E

**Recommended Preparation:****Limits on Enrollment:****Schedule of Classes Information:**

Description: Advanced principles of periodontology for the dental hygienist, including the role of the dental hygienist in identifying appropriate surgical modalities for treatment of periodontal diseases and providing post surgical specialized periodontal maintenance care. (Grade Only)

Prerequisites/Corequisites: Course Completion of DH 79 and Concurrent Enrollment in DH 71E

Recommended:

Limits on Enrollment:

Transfer Credit: CSU;  
Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>CSU Transfer:</b>	Transferable	Effective:	Spring 2001
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Major Applicable Course

## **COURSE CONTENT**

### **Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Describe periodontal therapy based on expanded knowledge, including periodontal surgical modalities.
2. Develop a comprehensive periodontal treatment plan using evidence-based decision making that demonstrates the ability to identify risk factors, rationale for treatment, utilization of new technologies and probable outcomes of periodontal therapy.

### **Objectives:**

At the conclusion of this course, the student should be able to:

1. Describe the major systemic contributing risk factors for periodontitis.
2. Define the term biologic equilibrium and discuss factors that can disrupt the balance between health and disease in the periodontium.
3. Describe the clinical and radiographic features of chronic periodontitis and aggressive periodontitis.
4. Discuss the correlation of periodontal infection as a risk factor to various diseases.
5. Describe the principles and techniques of periodontal surgery.
6. Describe surgical closure and post-operative care.
7. Describe the management of periodontal emergencies.
8. List and describe the indications, contraindications, and techniques for placement of dental implants.
9. Describe the role of the dental hygienist in implant therapy.
10. Describe the impact of occlusion on the progression of periodontal destruction.
11. List three objectives of periodontal maintenance.
12. Describe developing technologies, drug therapies, and treatment used in periodontal care.

### **Topics and Scope:**

- I. Systemic Factors Associated with Periodontal Diseases
  - A. Systemic risk factors for periodontitis

- B. Genetic risk factors for periodontitis
- C. Systemic medications with periodontal side effects
- II. Etiologic Factors: Risk for Periodontitis
  - A. Risk factors for periodontal disease
  - B. Balance between periodontal health and disease
- III. Classification of Periodontitis
  - A. Chronic
  - B. Aggressive
  - C. Necrotizing periodontal diseases
- IV. Periodontitis and Systemic Disease
  - A. Periodontitis as a manifestation of systemic disease
  - B. Systemic disease as a manifestation of periodontitis
  - C. Developmental or acquired deformities and conditions
- V. Periodontal Surgical Concepts for the Dental Hygienist
  - A. Common types of periodontal surgery
  - B. Biologic enhancement of surgical outcomes
  - C. Periodontal dressing placement and management
  - D. Management following periodontal surgery
- VI. Dental Implants
  - A. History of the use of implants in dentistry
  - B. Implant restoration reconstruction, case selection, and prognosis
  - C. Role of dental hygienist in implant therapy
- VII. Periodontal Emergencies
  - A. Abscesses of the periodontium
  - B. Infected pulpitis and fractured roots, acute periodontal abscess, periocoronitis
  - C. Treatment modalities
- VIII. Temporomandibular Joint (TMJ) Disorders
  - A. The role of occlusion in the etiology and progression of periodontal destruction
  - B. Symptoms and treatment of TMJ dysfunction
- IX. Maintenance for the Periodontal Patient
  - A. Introduction to post-surgical periodontal maintenance
  - B. Procedures and planning for periodontal maintenance
  - C. Disease recurrence and patient compliance
- X. Developing Technologies and Future Directions for Management of Periodontal Patients
  - A. Dental lasers in periodontal care
  - B. Local delivery mechanisms in periodontal care
  - C. Disease risk assessment in periodontal care
  - D. Genetic technology in periodontal care

### **Assignment:**

1. Reading assignments (20-30 pages per week)
2. Quizzes (4 - 8), midterm, and final examination
3. Semester-long case study/research paper
  - a. Document progress and nonsurgical treatment results of a clinical patient
  - b. Outline a post surgical treatment plan including projected outcomes
  - c. Present case study
4. Collaborative in-class case studies (4 - 9)

### **Methods of Evaluation/Basis of Grade:**

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Written case study/research paper, documentation of progress and treatment results of a clinical patient, outline post-surgical treatment plan and possible outcomes

Writing  
20 - 30%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

In-class case studies

Problem solving  
10 - 20%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations  
0 - 0%

**Exams:** All forms of formal testing, other than skill performance exams.

Quizzes, midterm and final

Exams  
50 - 60%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

None

Other Category  
0 - 0%

### **Representative Textbooks and Materials:**

Foundations of Periodontics for the Dental Hygienist. 6th ed. Nield-Gehrig, J. S., and Willmann, D.E. Lippincott, Williams & Wilkins. 2018  
Instructor prepared materials