

**DH 85 Course Outline as of Spring 2009****CATALOG INFORMATION**

Dept and Nbr: DH 85

Title: ADV PERIODONTAL CARE

Full Title: Advanced Periodontal Dental Hygiene Care

Last Reviewed: 9/9/2024

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 for dentate and dental implant patients. Study of advanced principles of clinical dental hygiene practice; including identifying and support therapies for the various periodontal surgical modalities: resective, regeneration, prep-restorative and implant placement procedures. Differentiation and treatment of various periodontal emergencies will be discussed. Treatment for patients with specific medical modifying conditions and systemic co-risk factors will be included.

**Prerequisites/Corequisites:**

Course Completion of DH 79 and Concurrent Enrollment in DH 71E ( or DH 84)

**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 for dentate and dental implant patients. Study of advanced principles of clinical dental hygiene practice; including identifying and support therapies for the various periodontal surgical modalities: resective, regeneration, prep-restorative and implant placement procedures. Differentiation and treatment of various periodontal emergencies will be discussed. Treatment for patients with specific medical modifying conditions and systemic co-risk factors will be included. (Grade Only)

Prerequisites/Corequisites: Course Completion of DH 79 and Concurrent Enrollment in DH 71E ( or DH 84)

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	Inactive:
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Major Applicable Course

## **COURSE CONTENT**

### **Outcomes and Objectives:**

Upon completion of this course, the student will be able to:

1. Identify advantages and disadvantages of surgical therapy
2. Discuss elements of case selection for surgical candidates using intake interview, health history, and clinical evaluation.
3. Demonstrate the ability to recognize normal osseous anatomy on a dental periapical or panorex radiographic image and relate the suggestive appearance of bone loss in vertical defects, interproximal craters, and furcations to the signs of disease found in clinical patients.
4. Discuss how radiographic images can be used as a screening tool to discuss implant indications and contraindications with a patient.
5. Describe the principles and techniques of periodontal surgery.
6. Describe surgical closure and post operative care.
7. Conduct patient assessment through interview and laboratory results.
8. Discuss the correlation of periodontal infection as a risk factor to various diseases.
9. Evaluate patient's medication regimens in regards to periodontal condition and therapy outcome.
10. Describe the management of periodontal emergencies.
11. Compare and contrast the indications, contraindications, and techniques for placement of

dental implants.

12. Describe the role of the dental hygienist in implant therapy.

13. Describe the impact of occlusion on the progression of periodontal destruction.

14. Explain the signs, symptoms, and the importance of both short- and long-term treatment.

15. Describe the new technologies, drug therapies, and treatment used in periodontal care.

## **Topics and Scope:**

A. Introduction to surgical intervention in periodontal therapy

B. Principles of periodontal surgery

1. pocket reduction or elimination

2. excisional and incisional

3. osteotomy, osteoplasty, regeneration

4. pharmacological agents used for infection control, pain relief

5. adjunctive restorative surgical procedures

6. predictability of surgical therapy relative to case selection

C. Surgical closure and post-operative care

1. suture material types, recommended applications

2. periodontal dressing materials

3. post-operative instructions/medications

4. post-operative plaque removal techniques

D. Periodontal medicine

1. systemic risk factors: implications for prognosis and treatment

2. periodontal infection as a risk factor in systemic disease

3. patient's prescriptions and over the counter medications

E. Periodontal emergencies

1. chronic periodontal abscess

2. infected pulpitis and fractured roots, acute periodontal abscess, periocoronitis

3. acute vesiculo-erosive diseases affecting the gingiva and oral mucosa

4. treatment modalities

F. Dental implants

1. history of the use of implants in dentistry

2. osseointegration

3. soft tissue interface

4. complexity of implant restoration reconstruction

5. predictability of dental implants, case selection, prognosis.

6. role of dental hygienist in implant therapy including peri-implantitis and its treatment

G. Temporomandibular joint (TMJ)

1. occlusion plays a role in the etiology and progression of periodontal destruction.

2. symptoms and treatment of TMJ dysfunction

H. New technologies

1. dental lasers

2. Non-steroidal antiinflammatory drugs (NSAIDs) and tetracycline products

3. anaerobic antimicrobial testing and therapy

4. genetic testing

## **Assignment:**

1. Reading assignments (3 chapters per week)

2. Exams (midterm and final)

3. Semester-long case study/research paper: completion of clinical case study begun in DH79 and DH71D.

- a. Document progress and nonsurgical treatment results.
- b. Outline a post surgical treatment plan including projected outcomes.
- c. Present case study.
4. Written report documenting surgical office site visit.
5. In-class case studies.

### 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, office visit report

Writing  
10 - 15%

**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 - 15%

**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.

Multiple choice, True/false, Matching items, Completion: midterm, final

Exams  
45 - 50%

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

Case presentation

Other Category  
20 - 25%

### Representative Textbooks and Materials:

Representative Textbooks:

Clinical Periodontology, Carranza, Newman; WB Saunders, 10th ed., 2006

SUPPLEMENTARY TEXTS:

Periodontal Medicine, Rose, Genco, Cohen, Mealey; BC Decker Inc., latest edition