

**DH 71B Course Outline as of Fall 2014****CATALOG INFORMATION**

Dept and Nbr: DH 71B

Title: CLINICAL CARE / THEORY 2

Full Title: Clinical Dental Hygiene Care and Theory 2

Last Reviewed: 3/11/2019

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	5.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	5.00	Lab Scheduled	9.00	17.5	Lab Scheduled	157.50
		Contact DHR	0		Contact DHR	0
		Contact Total	11.00		Contact Total	192.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 262.50

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:**

Application of the dental hygiene process of care guided by the human needs conceptual model to promote oral health and wellness. The course includes laboratory and clinical experiences in client assessments, problem identification (dental hygiene diagnosis), dental hygiene care planning, case presentation and implementation of dental hygiene care (preventive and therapeutic procedures, oral health education). Evaluation of dental hygiene care/oral health goals attainment is also emphasized as an essential component of the dental hygiene process.

**Prerequisites/Corequisites:**

Course Completion of DH 71A; AND Concurrent Enrollment in DH 72 and DH 75 and DH 74 and DH 76; AND Course Completion or Current Enrollment in DE 55B

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

Description: Application of the dental hygiene process of care guided by the human needs conceptual model to promote oral health and wellness. The course includes laboratory and

clinical experiences in client assessments, problem identification (dental hygiene diagnosis), dental hygiene care planning, case presentation and implementation of dental hygiene care (preventive and therapeutic procedures, oral health education). Evaluation of dental hygiene care/oral health goals attainment is also emphasized as an essential component of the dental hygiene process. (Grade Only)

Prerequisites/Corequisites: Course Completion of DH 71A; AND Concurrent Enrollment in DH 72 and DH 75 and DH 74 and DH 76; AND Course Completion or Current Enrollment in DE 55B

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 2008	Inactive:
<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. Provide treatment that includes preventive and therapeutic procedures to promote and maintain oral health and assist the patient in achieving oral health goals.
2. Systematically collect, analyze, and accurately record baseline data on general, oral, and psycho-social health status using methods consistent with medico-legal principles.

### **Objectives:**

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

Theory Objectives

1. Describe the types of intrinsic and extrinsic dental stains and their associated causes.
2. Differentiate between stains associated with coronal polish and the correlation between tooth formation and the staining process.
3. Differentiate between the abrasive agents, examining the degree of hardness and the intended surface for which they are to be used and how the shape and size of the abrasive material affects the tooth structure being polished.
4. Compare and contrast polishing versus selective polish and discuss the implications of each.
5. Describe the design features and blade characteristic that distinguish area-specific from universal cures and the advantages and limitations of these design characteristics.

6. Differentiate between scaling, root planning and periodontal debridement and what determines the end point of each.
7. Identify the components of evidence-based decision making and the correlation with patient centered care.
8. List and describe the American Academy of Periodontology categories of periodontal disease, gingivitis and health.
9. Describe oral characteristics associated with periodontal health, gingivitis and periodontitis and the etiologic and risk factors associated with each disease.
10. In each of the assessment documents determine periodontal risk factors and correlate these factors to the patient's periodontal diagnosis and plan for treatment.
11. Discuss the factors influencing the dental hygiene periodontal diagnosis and its relationship to the treatment plan and outcome assessment.
12. Define and calculate, in case studies, clinical attachment loss and width of attached gingiva and their relationship to periodontitis.
13. Define the phases of dental treatment included in the comprehensive treatment plan including the considerations for sequencing dental hygiene treatment with periodontal diseases.
14. Define informed consent and its importance to patient care.
15. Define and list the elements of nonsurgical periodontal therapy
16. Describe a typical plan for nonsurgical periodontal therapy for a patient with plaque-induced gingivitis, early and moderate periodontitis.

### Clinical Objectives

1. Demonstrate the armamentarium needed for polishing and the mechanisms for attachment and different types of polishing cups.
2. Perform coronal polishing technique with appropriate material selection and precautions for polishing natural tooth surfaces, restorations.
3. Demonstrate technique, procedures and state rationale and precautions for professional application of topical fluoride.
4. Demonstrate the correct principles of insertion, adaptation, angulation, and lateral pressure with each of the area-specific curettes.
5. Utilizing the assessment documents, determine the dental hygiene periodontal diagnosis and appropriate treatment plan for each patient.
6. Demonstrate individualized preventive oral hygiene care instructions designed to motivate the patient toward routine and effective home care skills and habit cessation essential for the prevention and control of oral diseases.
7. Analyze all the data gathered during the assessment phase of the dental hygiene process to identify the patient's human needs related to dental hygiene care in order to plan treatment with the goal of delivering comprehensive dental hygiene care.
8. Perform nonsurgical periodontal therapy for a patient with plaque-induced gingivitis and early periodontitis.
9. Assess the oral conditions of hard and soft tissues, detect and remove supragingival and subgingival calculus, stain and plaque by applying principles of instrumentation for the proper use of mouth mirrors, periodontal probe, explorers, universal and area-specific curettes, sickle scalers and polishing instruments on dental hygiene patients.
10. Continue to refine the principles of instrument sharpening for proper sharpening of universal curettes and scalers and apply the principles of sharpening to Gracey curettes.
11. Analyze evaluation outcome and offer recommendations to patients regarding preventive and therapeutic measures as well as professional dental hygiene care interval.
12. Demonstrate professionalism through personal appearance, attitude, and conduct appropriate for the learning environment, as well as for rendering patient care.

## Topics and Scope:

### Topics and Scope

#### I. Theory

##### A. Coronal Polish

1. Stains, intrinsic and extrinsic
2. Selective polish
3. Abrasives

##### B. Area-specific curettes

1. Design considerations
2. Advantages and limitations
3. Scaling, root planning and periodontal debridement

##### C. Evidence-based decision making

1. Patient centered care
2. Dental hygiene care plan

##### D. American Academy of Periodontology, Periodontal Disease

1. Categories of disease
2. Etiologic and risk factors
  - a. Periodontal health
  - b. Gingivitis
  - c. Periodontitis

##### E. Dental hygiene diagnosis

1. Relationship to treatment plan and outcome assessment
2. Relationship of risk factors to treatment plan

##### F. Clinical scenarios

1. Clinical attachment loss
2. Width of attached gingiva
3. Relationship to periodontitis

##### G. Phases of dental treatment

1. Treatment plan
2. Sequencing dental hygiene treatment

##### H. Informed consent

1. Definition
2. Relationship to patient care

##### I. Elements of nonsurgical periodontal therapy

1. Definition
2. List

##### J. Plan for therapy

1. Plaque-induced gingivitis
2. Early and moderate periodontitis

#### II. Clinical

##### A. Coronal Polish

1. Technique/equipment
2. Precautions

##### B. Professional topical fluoride application

1. Procedure
2. Rationale

##### C. Area-specific curettes

1. Insertion technique
2. Adaptation technique
3. Angulation technique
4. Lateral pressure technique

- D. Dental hygiene periodontal diagnosis
  - 1. Utilization of assessment documents
  - 2. Treatment plan using assessment documents
- E. Preventive oral hygiene care instructions
  - 1. Individualized
  - 2. Motivate patient
  - 3. Prevention and control of oral diseases
- F. Assessment phase of dental hygiene process
  - 1. Data analysis
  - 2. Identify patient's needs
  - 3. Treatment plan
- G. Nonsurgical periodontal therapy
  - 1. Techniques for patients with
    - a. Plaque-induced gingivitis
    - b. Early periodontitis
  - 2. Principles of instrumentation
    - a. Mouth mirrors, periodontal probe, explores, universal and area-specific curettes
    - b. Detection and removal of supragingival and subgingival calculus, stains and plaque
  - 3. Apply principles of instrument sharpening
- H. Evaluation outcome
  - 1. Analysis
  - 2. Accommodations
  - 3. Care interval
- I. Professionalism
  - 1. Honesty in actions and relationships
  - 2. Attitude of concern, respect and cooperation
  - 3. Time management
  - 4. Safety regulations
  - 5. Responsibility for assigned clinic duties

### **Assignment:**

- 1. Completion of reading assignments (15-30 pages per week)
- 2. Weekly written homework (10 - 15 assignments): Students must write about their clinical experiences each session.
- 3. Student self-assessment of the clinical sessions.
- 4. Laboratory/Clinical skill demonstrations/competencies:
  - a. Coronal Polish proficiency
  - b. Fluoride Delivery proficiency
  - c. Gracey Curette proficiency
  - d. Gracey Sharpening proficiency
  - e. Medical Emergency proficiency
  - f. Comprehensive Clinical Performance proficiency
- 5. Provision of Dental Hygiene Patient Care Services (3-6 patient requirements).
- 6. Patient performance exam.
- 7. Final Exam Clinical.
- 8. Quizzes (10-12); midterm, and final examination.

### **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 homework, Weekly written journal self-assessments

Writing  
5 - 10%

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

None

Problem solving  
0 - 0%

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

Clinical skill competencies, 3-6 patient care services and patient information exam, clinical competency final exam

Skill Demonstrations  
40 - 50%

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

Quizzes, midterm, written final exam

Exams  
40 - 50%

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

None

Other Category  
0 - 0%

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

Dental Hygiene Theory and Practice, Darby & Walsh, 4th Edition Elsevier, 2014

Fundamentals of Periodontal Instrumentation, Nield-Gehrig, Lippincott Williams & Wilkins, 7th Edition, 2013

Patient Assessment Tutorials Nield-Gehrig, 3rd Edition Lippincott Williams & Wilkins, 2013

Foundations of Periodontics for the Dental Hygienist, Nield-Gehrig and Willmann, 3rd Edition Lippincott Williams and Wilkins, 2011

Drug Information Handbook for Dentistry, Lexicomp Dental Reference Library, 19th Edition 2014