

**DH 71B Course Outline as of Fall 2020****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 patient assessments, problem identification (dental hygiene diagnosis), dental hygiene care planning, case presentation and implementation of dental hygiene care at the beginner level (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 Concurrent 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 patient assessments, problem identification (dental hygiene diagnosis), dental hygiene care planning, case presentation and implementation of dental hygiene care at the beginner level (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 Concurrent 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 (novice level).
2. Systematically collect, analyze, and accurately record baseline data on general, oral, and psycho-social health status using methods consistent with medico-legal principles (novice level).

#### **Objectives:**

At the conclusion of this course, the student should 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. Compare and contrast polishing versus selective polish and discuss the implications of each.
4. Differentiate between scaling, root planning and periodontal debridement and what determines the end point of each.
5. Identify the components of evidence-based decision making and the correlation with patient centered care.
6. List and describe the American Academy of Periodontology categories of periodontal disease,

gingivitis and health.

7. Describe oral characteristics associated with periodontal health, gingivitis and periodontitis and the etiologic and risk factors associated with each disease.
8. In each of the assessment documents determine periodontal risk factors and correlate these factors to the patient's periodontal diagnosis and plan for treatment.
9. Discuss the factors influencing the dental hygiene periodontal diagnosis and its relationship to the treatment plan and outcome assessment.
10. Define the phases of dental treatment included in the comprehensive treatment plan including the considerations for sequencing dental hygiene treatment with periodontal diseases.
11. Define informed consent and its importance to patient care.
12. Define and list the elements of nonsurgical periodontal therapy
13. Describe a typical plan for nonsurgical periodontal therapy for a patient with plaque-induced gingivitis, early and moderate periodontitis.

#### Clinical Objectives

1. Perform coronal polishing technique with appropriate material selection and precautions for polishing natural tooth surfaces, restorations.
2. Demonstrate technique, procedures and state rationale and precautions for professional application of topical fluoride.
3. Demonstrate the correct principles of insertion, adaptation, angulation, and lateral pressure with each of the area-specific curettes.
4. Utilizing the assessment documents, determine the dental hygiene periodontal diagnosis and appropriate treatment plan for each patient.
5. 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.
6. 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.
7. Perform nonsurgical periodontal therapy for a patient with periodontal health, plaque-induced gingivitis and early periodontitis.
8. 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.
9. 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.
10. Analyze evaluation outcome and offer recommendations to patients regarding preventive and therapeutic measures as well as professional dental hygiene care interval.
11. Demonstrate professionalism through personal appearance, attitude, and conduct appropriate for the learning environment, as well as for rendering patient care.

#### Topics and Scope:

##### I. Theory

###### A. Coronal polish-review\*

1. stains, intrinsic and extrinsic
2. practice selective polish

###### B. Area-specific curettes-review\*

1. advantages and limitations
2. 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. Phases of dental treatment\*
  1. treatment plan
  2. sequencing dental hygiene treatment
- G. Informed consent\*
  1. definition
  2. relationship to patient care
- H. Elements of nonsurgical periodontal therapy
  1. definition
  2. list
- I. Plan for therapy\*
  1. periodontal health
  2. gingivitis
  3. early and moderate periodontitis

\*These items are introduced in lecture, and the related skill is performed in the lab

## II. Clinical

- A. Coronal polish
  1. practice technique
  2. precautions
- B. Professional topical fluoride application
  1. procedure
  2. rationale
- C. Area-specific cures
  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. periodontal health

- b. gingivitis
- c. periodontitis
- 2. Principles of instrumentation
  - a. mouth mirrors, periodontal probe, explores, universal and area-specific curets
  - 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:**

Lecture

- 1. Completion of reading assignments (15-30 pages per week)
- 2. Weekly written homework (10 - 15 assignments)
- 3. Case studies (1-3)
- 4. Quizzes (4-8); midterm, and final examination

Laboratory/Clinical

- 1. Student self-assessment of the clinical sessions; students must journal about their clinical experiences each session
- 2. Laboratory/Clinical skill demonstrations/competencies:
  - a. Coronal Polish competency
  - b. Fluoride Delivery competency
  - c. Gracey Curette competency
  - d. Gracey Sharpening competency
  - e. Medical Emergency competency
  - f. Comprehensive Clinical Performance competency
- 3. Provision of Dental Hygiene Patient Care Services (3-6 patient requirements)
- 4. Patient performance exam
- 5. Clinical Competency exam

**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.

|  |                                  |
|--|----------------------------------|
| Case studies   | Problem solving<br>5 - 10%       |
| <b>Skill Demonstrations:</b> All skill-based and physical demonstrations used for assessment purposes including skill performance exams. |                                  |
| Clinical skill competencies, patient care services, patient performance exam, clinical competency midterm and final exam                 | Skill Demonstrations<br>40 - 50% |
| <b>Exams:</b> All forms of formal testing, other than skill performance exams.   |                                  |
| Quizzes, midterm, written final exam   | Exams<br>40 - 50%                |
| <b>Other:</b> Includes any assessment tools that do not logically fit into the above categories.   |                                  |
| None   | Other Category<br>0 - 0%         |

**Representative Textbooks and Materials:**

Darby and Walsh Dental Hygiene Theory and Practice. 5th ed. Bowen, Denise and Pieren, Jennifer. Elsevier. 2020

Fundamentals of Periodontal Instrumentation. 8th ed. Gehrig, Jill and Sroda, Rebecca and Saccusso, Darlene. Lippincott Williams & Wilkins. 2018. video clips, online

Patient Assessment Tutorials. 4th ed. Gehrig, Jill. Lippincott Williams & Wilkins. 2017

Lexicomp (online for Dentistry). Wolters Kluwer Clinical Drug Information, Inc. and its affiliates and/or licensors. 2019

Foundations of Periodontics for the Dental Hygienist. 5th ed. Gehrig, Jill and Shin, Daniel and Willmann, Donald. Lippincott Williams and Wilkins. 2018

Clinical Policy Manual- online

Instructor prepared materials