

**DH 71D Course Outline as of Fall 2020****CATALOG INFORMATION**

Dept and Nbr: DH 71D Title: CLINICAL CARE/THEORY 4

Full Title: Clinical Dental Hygiene Care and Theory 4

Last Reviewed: 2/7/2022

| Units   | Course Hours per Week |                   | Nbr of Weeks | Course Hours Total |                         |
|---------|-----------------------|-------------------|--------------|--------------------|-------------------------|
| Maximum | 7.00                  | Lecture Scheduled | 2.00         | 17.5               | Lecture Scheduled 35.00 |
| Minimum | 7.00                  | Lab Scheduled     | 15.00        | 17.5               | Lab Scheduled 262.50    |
|         |                       | Contact DHR       | 0            |                    | Contact DHR 0           |
|         |                       | Contact Total     | 17.00        |                    | Contact Total 297.50    |
|         |                       | Non-contact DHR   | 0            |                    | Non-contact DHR 0       |

Total Out of Class Hours: 70.00

Total Student Learning Hours: 367.50

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: DH 82

**Catalog Description:**

Advanced instrumentation principles, gingival curettage, pain control, radiographic interpretation for treatment planning and self-assessment skills will continue to be developed by working with patients in the Santa Rosa Junior College Dental Hygiene clinic.

**Prerequisites/Corequisites:**

Course completion of DH 71C; AND Concurrent enrollment in DH 79 AND Concurrent enrollment in DH 80.

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

Description: Advanced instrumentation principles, gingival curettage, pain control, radiographic interpretation for treatment planning and self-assessment skills will continue to be developed by working with patients in the Santa Rosa Junior College Dental Hygiene clinic. (Grade Only)

Prerequisites/Corequisites: Course completion of DH 71C; AND Concurrent enrollment in DH 79 AND Concurrent enrollment in DH 80.

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: | Fall 2000 | 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. Identify conditions in the oral cavity as they relate to the formulation of a comprehensive dental hygiene care plan to provide treatment that includes preventative, therapeutic, and pain control procedures, that promote and maintain oral health using patient centered, evidence-based goals (beginner level).
2. Provide planned educational services using appropriate interpersonal communication skills and educational strategies to promote optimal health (beginner level).
3. Identify appropriate medical and dental precautions in patient treatment; determine proper precautionary procedures including consultation and referral and apply these procedures during treatment (beginner level).

**Objectives:**

Students will be able to:

1. Set-up and operate the intraoral camera for patient care.
2. Compare and contrast normal and abnormal conditions, such as basic caries and restoration material such as composites, amalgams, crowns, as viewed on radiographs.
3. Determine which radiographs to perform in order to facilitate an initial examination by a dentist.
4. Describe the appearance of radiographic images with the dentist's supervision.
5. Establish dental hygiene treatment/care plans through the use of case studies.
6. Explain the rationale for professional preventive care for infants and toddlers.
7. Define the type and process of early childhood caries.
8. Provide appropriate counseling on feeding/diet management, oral hygiene and fluoride for parents of infants and toddlers.
9. Describe behavior/treatment management of children during dental hygiene care.
10. Describe possible oral conditions of an adolescent.
11. Explain motivation modifications that are appropriate for adolescents.
12. Describe behavior/treatment management of adolescents during dental hygiene care.

13. Introduce some common oral findings during pregnancy.
14. Discuss preventive measures during pregnancy.
15. Describe modifications in plaque control and treatment modality that may be necessary during pregnancy.
16. Discuss topics that could be included in dental counseling during pregnancy.
17. Describe behavior/treatment management of adolescents during dental hygiene care.
18. List key age-related physiological changes often found in the geriatric population.
19. Describe the psychosocial considerations in the geriatric population.
20. Identify age related and medication related changes of the oral tissues commonly found in the geriatric population.
21. Describe several treatment adaptations related to the geriatric population.
22. Describe behavior/treatment management of geriatrics during dental hygiene care.
23. Explain the challenges of oral health care delivery to long-term care patients.
24. Discuss how visual, auditory, speech and cognitive deficiencies can be identified and at least partially compensated for in preventive dentistry planning and implementation.
25. Perform appropriate preventative procedures, including but not limited to fluoride treatments, interim temporary restorations including follow-up, and sealant placement on a variety of patients.
26. Determine, select, and use the proper instrumentation procedures used in advanced and periodontal maintenance therapy on patients.
27. Demonstrate the ability to perform instrumentation utilizing ultrasonic scaling devices.
28. Explain the rationale/justification for gingival curettage in periodontal therapy.
29. Describe the controversy and current attitude surrounding the effectiveness of purposeful curettage.
30. Discuss effective treatment planning for gingival curettage procedures based on individual patient conditions.
31. Describe the procedures for performing gingival curettage.
32. Perform dental hygiene services for patients at clinical off site rotations.
33. Develops and presents an ePortfolio.
34. Analyzes and identifies appropriate patient criteria for the Advanced Test Case.

## **Topics and Scope:**

- I. Patient Care\*
  - A. Clinical procedures
    1. intraoral camera
    2. normal and abnormal radiographic images
    3. calculus identification on radiographic images
    4. medical and dental consults
  - B. Treatment/care plans\*
    1. child
    2. adolescent
    3. pregnant patient
    4. geriatric patient
    5. compromised individual
  - C. Preventative procedures\*
    1. fluoride therapy
    2. sealants
    3. interim therapeutic restoration
- II. Instrumentation For Periodontal Therapy\*
  - A. Detect and remove plaque and calculus
  - B. Administer local anesthesia

- C. Scaling and root planning
- D. Ultrasonic Scaling
- E. Gingival Curettage
- F. Place sealants
- G. Fluoride therapy
- H. Radiographic images
- III. Extramural Clinical Sites
  - A. Off site clinical rotations
  - B. Professional and ethical
- IV. Case presentations
- V. Test Cases And Advanced Test Case
  - A. Required patient types
  - B. Required assessments
  - C. Required instruments
  - D. Examination procedures

\*Denotes topic and subtopics taught in both lecture and clinic

**Assignment:**

Lecture

1. Reading assignments, 10-25 pages per week
2. Written case studies (8 - 12)
3. Quizzes (1 - 4)
4. Written exams (midterm and final)
5. Development of ePortfolio

Laboratory/Clinical

1. One to three days of field work: off site clinical rotations
2. Patient performance examinations (1 - 8)
3. Patient care services (15 - 20)
4. Written patient completions papers, patient competency papers, off site rotation papers (5 - 10)
5. Student self assessment journal

**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 patient completion and competency papers, off site rotation papers, self-assessment journal, development of ePortfolio

Writing  
5 - 15%

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

Case studies

Problem solving  
5 - 15%

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

Patient care services, patient performance examinations, off site clinical rotations

Skill Demonstrations  
50 - 60%

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

Quizzes, midterm, final examination

Exams  
25 - 40%

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

None

Other Category  
0 - 0%

**Representative Textbooks and Materials:**

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

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

Clinical Policy Manual - online

Instructor prepared materials