

# DH R043: DENTAL HYGIENE CLINICAL PRACTICE III

**Originator**  
aderdiarian

**College**

Oxnard College

**Discipline (CB01A)**

DH - Dental Hygiene

**Course Number (CB01B)**

R043

**Course Title (CB02)**

Dental Hygiene Clinical Practice III

**Banner/Short Title**

DH Clinical Practice III

**Credit Type**

Credit

**Start Term**

Spring 2021

**Catalog Course Description**

This course provides advanced clinical experiences in the treatment of adult patients. Various clinical procedures utilizing advanced scaling and root planing, polishing techniques, extraoral and intraoral inspections, cancer screening, dental and periodontal charting, plaque control instructions, nutritional counseling, and topical fluoride will be put into supervised practice. Limitations on Enrollment: Physical/clinical examination (within the last 12 months); Negative Tuberculosis Mantoux test or chest x-ray; Hepatitis B vaccine & titer; Tetanus vaccine; Titers showing immunity to Rubella, Rubeola, and Varicells; CPR certification.

**Taxonomy of Programs (TOP) Code (CB03)**

1240.20 - \*Dental Hygienist

**Course Credit Status (CB04)**

D (Credit - Degree Applicable)

**Course Transfer Status (CB05) (select one only)**

C (Not transferable)

**Course Basic Skills Status (CB08)**

N - The Course is Not a Basic Skills Course

**SAM Priority Code (CB09)**

B - Advanced Occupational

**Course Cooperative Work Experience Education Status (CB10)**

N - Is Not Part of a Cooperative Work Experience Education Program

**Course Classification Status (CB11)**

Y - Credit Course

**Educational Assistance Class Instruction (Approved Special Class) (CB13)**

N - The Course is Not an Approved Special Class

**Course Prior to Transfer Level (CB21)**

Y - Not Applicable

**Course Noncredit Category (CB22)**

Y - Credit Course

**Funding Agency Category (CB23)**

Y - Not Applicable (Funding Not Used)

**Course Program Status (CB24)**

1 - Program Applicable

**General Education Status (CB25)**

Y - Not Applicable

**Support Course Status (CB26)**

N - Course is not a support course

**Field trips**

May be required

**Faculty notes on field trips; include possible destinations or other pertinent information**

Students may be required to do rotations at extramural sites.

**Grading method**

Letter Graded

**Does this course require an instructional materials fee?**

No

**Repeatable for Credit**

No

**Is this course part of a family?**

No

**Units and Hours**

**Carnegie Unit Override**

No

**In-Class**

**Lecture**

**Activity**

**Laboratory**

**Minimum Contact/In-Class Laboratory Hours**

210

**Maximum Contact/In-Class Laboratory Hours**

210

**Total in-Class**

**Total in-Class**

**Total Minimum Contact/In-Class Hours**

210

**Total Maximum Contact/In-Class Hours**

210

**Outside-of-Class****Internship/Cooperative Work Experience**

Paid

Unpaid

**Total Outside-of-Class****Total Outside-of-Class****Minimum Outside-of-Class Hours**

0

**Maximum Outside-of-Class Hours**

0

**Total Student Learning****Total Student Learning****Total Minimum Student Learning Hours**

210

**Total Maximum Student Learning Hours**

210

**Minimum Units (CB07)**

4

**Maximum Units (CB06)**

4

**Prerequisites**

DH R030 and DH R031 and DH R032 and DH R033 and DH R034 and DH R035 and DH R036

**Corequisites**

DH R040 and DH R041 and DH R042 and DH R044 and DH R045

**Limitations on Enrollment**

Current CPR certification for health care provider (American Heart Association) or professional rescuer (American Red Cross)

Proof of freedom from and immunity to communicable diseases

No acrylic or long nails in clinical settings

Current negative TB test or chest x-ray

Physical examination demonstrating general good health

No visible tattoos or visible body piercings except single studs in earlobes

**Entrance Skills****Entrance Skills**

Students must be proficient in assessing medical histories of medically compromised patients and determine the appropriate treatment modifications.

**Prerequisite Course Objectives**

DH R030-Compare and contrast patient characteristics, motivation and management of individual patients

DH R030-Identify medically compromised patients and special needs patients and apply proper oral hygiene procedures

DH R030-Identify extra-oral risk factors affecting the older adult and their oral health

DH R030-Recognize unusually apprehensive patient and demonstrate how to establish confidence within the patient

DH R030-Assess the older adult's periodontal needs and home care

**Entrance Skills**

Students must be able to perform a nutritional analysis, assess a patient's caries risk factors, and offer nutritional counseling.

**Prerequisite Course Objectives**

DH R031-Compare and contrast factors in the relationship of nutrition and dental health

DH R031-Evaluate the nutritional status of patients  
DH R031-Perform nutrition counseling with dental patients  
DH R031-Evaluate a 4-5 day dietary history of a patient with regard to sugar exposures and nutritional adequacy/quality, and counsel the patient accordingly  
DH R031-Identify disorders relating to inadequate intake or absorption of carbohydrates, essential lipids, protein, vitamins and minerals  
DH R031-Compare and contrast factors in the relationship between nutrition and dental health

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**Entrance Skills**

Students will be able to identify and chart the various types of restorative materials for each individual patient.

**Prerequisite Course Objectives**

DH R032-Explain and distinguish between the various restorative materials used in dentistry  
DH R032-Assess the various types of materials used for esthetic dental restorations  
DH R032-Categorize the noble metals used for restorative materials, prosthetic appliances, and crown and bridge fabrication  
DH R032-Explain the legal and ethical ramifications of different levels of treatment  
DH R033-Develop a case presentation

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**Entrance Skills**

Students will be competent with beginner instrumentation skills

**Prerequisite Course Objectives**

DH R034-Duplicate various moderately advanced scaling and polishing techniques and fluoride applications  
DH R034-Provide oral inspections, cancer screening, dental and periodontal charting, and nutritional counseling  
DH R034-Use ultrasonic scaling devices as appropriate  
DH R034-Administer local anesthetic as appropriate  
DH R034-Perform soft tissue curettage with a maximum of patient comfort and safety  
DH R034-Use chemotherapeutic agents in the treatment of periodontal disease as appropriate  
DH R034-Apply periodontal dressings as appropriate  
DH R034-Perform oral irrigation procedures competently  
DH R034-Perform periodontal charting on a clinic patient to determine more advanced treatment plans as necessary by degree of patient difficulty

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**Entrance Skills**

Students will possess knowledge of the causes of periodontal disease, to distinguish between healthy and unhealthy oral periodontium, and treatment recommendations with accuracy and confidence.

**Prerequisite Course Objectives**

DH R035-Provide dental hygiene care for all types of classifications of periodontal diseases including patients who exhibit moderate to severe periodontal disease  
DH R035-Utilize problem-solving strategies related to comprehensive patient care and management of patients  
DH R035-List, describe and differentiate various periodontal diseases in a classification system as established by the American Academy of Periodontology.  
DH R035-Identify periodontal risk factors that affect onset, progression and severity of periodontal diseases  
DH R035-Define and describe various evaluative methods (probing, clinical attachment levels, bleeding and exudate, mobility, etc.) needed to measure variations from periodontal health.  
DH R035-Recognize the rationale, objectives and therapies involved in the various levels of dental hygiene care (preventive oral prophylaxis, therapeutic root debridement and professional periodontal maintenance).  
DH R035-Determine the patient's use and understanding of preventive (oral self-care) measures and oral health goals.  
DH R035-Recognize the need for medical and/or dental referral when appropriate  
DH R035-Develop individual, evidence-based, comprehensive, sequenced dental hygiene care plans for patients using diagnostic information that incorporates the patient's history, goals, values and motivations, clinical assessment, diagnosis, economics and other dental needs.  
DH R035-Use evidence-based protocols to identify periodontal therapies that will reduce the bacterial load and those that modulate the host response.  
DH R035-Describe the role of occlusal trauma in periodontal disease.  
DH R035-Explain the objectives, rationale, indications, contraindications, and methodology for the most commonly performed periodontal surgical procedures.  
DH R035-Describe the techniques, instruments and procedures for implant maintenance, including self-care aids for patients with implants.  
DH R035-Explain the role of the re-evaluation appointment in determining the next phase of periodontal treatment.  
DH R035-Describe the components of the re-evaluation appointment.  
DH R035-Discuss the objectives of periodontal maintenance and describe the components of periodontal maintenance.

DH R035-Describe and demonstrate effective interpersonal relationships and effective oral and written communication skills with patients, colleagues, and other professionals and lay people.

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### Entrance Skills

Students will be able to define oral health and demonstrate how to achieve this via health education, and promotion of education; understand the impact of oral health on culture, understand how to measure oral health, and to understand research methods pertaining to oral health.

### Prerequisite Course Objectives

DH R036-Describe the steps necessary to assess, plan, implement, and evaluate an oral health program with beginning level competency  
 DH R036-Define community dental health/dental public health.  
 DH R036-Defend the need for preventive modalities in dental public health practice.  
 DH R036-Identify appropriate levels of supplemental fluoride for a community.  
 DH R036-Identify and use community dental health activities related to prevention and control of oral conditions and promotion of health.  
 DH R036-Advocate the use of a dental hygienist without restrictive barriers in scope of practice.  
 DH R036-Define oral health in relation to health education and promotion.  
 DH R036-List barriers to obtaining and delivering dental hygiene care.  
 DH R036-Describe and define the goals of various dental indices.  
 DH R036-Evaluate oral health research articles applying concepts of research design and methodology.  
 DH R036-Interpret oral health data by proper application of statistical principles and tests.  
 DH R036-Describe current epidemiological trends or oral conditions and diseases.

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### Entrance Skills

Students will demonstrate expanded knowledge of comprehensive dental hygiene care.

### Prerequisite Course Objectives

DH R033-Develop a case presentation  
 DH R033-Explain the rationale for soft tissue curettage  
 DH R033-Explain oral irrigation procedures and the purpose for its use in dental hygiene treatment  
 DH R033-Describe the use of chemotherapeutic agents in the treatment of periodontal disease  
 DH R033-Describe the use of ultrasonic scalers  
 DH R033-Prepare more advanced treatment plans as necessary by degree of patient difficulty  
 DH R033-List and identify post-operative instructions for a patient and provide as needed  
 DH R033-Describe healing of tissues after periodontal instrumentation  
 DH R033-Describe the proper maintenance of dental implants  
 DH R033-Assess the elements involved in and rationale behind dental specific treatment plans, especially for patients who present with moderate periodontal involvement  
 DH R033-Predict the elements involved in implementing non-surgical periodontal therapy as it applies in a clinical and private practice setting  
 DH R033-Describe medical conditions that require treatment modifications prior to or during dental hygiene treatment  
 DH R033-Evaluate the periodontium, and identify conditions that compromise periodontal health and function

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## Requisite Justification

### Requisite Type

Prerequisite

### Requisite

DH R030

### Requisite Description

Course in a sequence

### Level of Scrutiny/Justification

Content review

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### Requisite Type

Prerequisite

**Requisite**

DH R031

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

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**Requisite Type**

Prerequisite

**Requisite**

DH R032

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

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**Requisite Type**

Prerequisite

**Requisite**

DH R033

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

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**Requisite Type**

Prerequisite

**Requisite**

DH R034

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

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**Requisite Type**

Prerequisite

**Requisite**

DH R035

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

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**Requisite Type**

Prerequisite

**Requisite**

DH R036

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

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**Requisite Type**

Corequisite

**Requisite**

DH R040

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

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**Requisite Type**

Corequisite

**Requisite**

DH R041

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

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**Requisite Type**

Corequisite

**Requisite**

DH R042

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

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**Requisite Type**

Corequisite

**Requisite**

DH R044

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

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**Requisite Type**

Corequisite

**Requisite**

DH R045

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

**Student Learning Outcomes (CSLOs)****Upon satisfactory completion of the course, students will be able to:**

- |   |  |
|---|--|
| 1 | Demonstrate various clinical procedures utilizing scaling and polishing techniques on more complex (periodontally involved) patients in a more effective and efficient manner and with less faculty assistance than previous clinical classes. |
| 2 | Demonstrate oral inspections, cancer screenings, dental and periodontal charting, and nutritional counseling   |
| 3 | Demonstrate proper technique in ultrasonic scaling, taking alginate impressions, making study models, pit and fissure sealants   |

**Course Objectives****Upon satisfactory completion of the course, students will be able to:**

- |   |  |
|---|--|
| 1 | Manage advanced dental hygiene treatment of adult and child patients   |
| 2 | Illustrate appropriate dental hygiene techniques in scaling, polishing, and fluoride application                                   |
| 3 | Illustrate appropriate oral inspections, cancer screening, dental and periodontal charting, and nutritional counseling             |
| 4 | Illustrate proper techniques in ultrasonic scaling, taking alginate impressions, making study models, and pit and fissure sealants |
| 5 | Illustrate proper technique in the administration of local anesthetic and nitrous oxide oxygen sedation                            |

**Course Content****Lecture/Course Content**

None

**Laboratory or Activity Content**

1. The Treatment of Children and Simple to Complex Adult Dental Hygiene Cases
  - a. Assessment
    - i. Medical history taking and updating
    - ii. Vitals
    - iii. Gingival and periodontal assessment
    - iv. Extraoral and intraoral examination
    - v. Fluoride choices and uses
  - b. Diagnosis
    - i. Periodontal case typing
    - ii. Calculus code typing
  - c. Treatment planning
    - i. Selection of appropriate intervention
    - ii. Problem/patient specific treatment plan
  - d. Implementation
    - i. Practical application of principles and concepts of periodontal instrumentation
  - e. Evaluation
    - i. Designing a patient appropriate maintenance schedules
    - ii. Designing a patient appropriate protocols
2. Begin Use of Skills in the Administration of Local Anesthetic on patients



- a. Armamentarium
    - i. Syringe
    - ii. Needle
    - iii. Carpule
  - b. Contraindications
    - i. Recognition of contraindications
    - ii. Recognition of treatment modifications
  - c. Management of Medical Emergencies
    - i. Recognition of and response to medical emergencies
3. Incorporation of Procedures Learned in DH 42--Dental Hygiene Clinic Seminar III
- a. Infection control
    - i. Sterilization
    - ii. Proper hand washing
    - iii. Disinfection
  - b. Instrumentation: principles and concepts
    - i. Patient positioning
    - ii. Operator positioning
    - iii. Modified pen grasp
    - iv. Finger fulcrum/rests
    - v. Stroke activation
4. Ultrasonic Scaling Devices
- a. Case selection
  - b. Contraindications
  - c. Proper technique
5. Participation in an Externship at Outpatient Dental Clinics under the Supervision of a Dentist/Dental Hygienist
6. Mock Board Simulation

## Methods of Evaluation

**Which of these methods will students use to demonstrate proficiency in the subject matter of this course? (Check all that apply):**

Problem solving exercises  
 Skills demonstrations  
 Written expression

**Methods of Evaluation may include, but are not limited to, the following typical classroom assessment techniques/required assignments (check as many as are deemed appropriate):**

Clinical demonstration  
 Individual projects  
 Laboratory activities  
 Objective exams  
 Projects  
 Problem-Solving Assignments  
 Skill tests  
 Treatment plans

## Instructional Methodology

**Specify the methods of instruction that may be employed in this course**

Clinical demonstrations  
 Case studies  
 Demonstrations  
 Instructor-guided interpretation and analysis  
 Instructor-guided use of technology  
 Practica

**Describe specific examples of the methods the instructor will use:**

Instructor will review proposed treatment plan, need for radiographs, medical history and need for modifications, assist student with appropriate calculus removal, and proper use of dental software systems, entry of proper documentation prior to, during and after treatment of patient.

## **Representative Course Assignments**

### **Writing Assignments**

Students may be required to write short papers on national board topics for repeated failed appointments.

### **Critical Thinking Assignments**

Student will assess the patient to design a treatment plan, determine need for radiographs, appropriate anesthesia if needed, personalized oral hygiene instructions, and post-op instructions.

### **Reading Assignments**

1. Students may be required to review material from Periodontal Instrumentation (Pattison)
2. Students may be required to review material from Clinical Practice of the Dental Hygienist (Wilkins)
3. Students may be required to review material from Dental Radiology: Principle and Techniques (Harring and Howerton)

### **Skills Demonstrations**

Students will be delivering patient care in a safe manner. Students will demonstrate competence in the use of the ultrasonic scaler and inserts. The students will need to demonstrate the correct selection of ultrasonic inserts for the appropriate treatment plan. Students will demonstrate advanced instrumentation techniques on advanced cases. During this course, students will be able to provide more advanced treatment of adult and child patients, demonstrate various clinical procedures utilizing scaling and polishing techniques, demonstrate extraoral and intraoral inspections, cancer screening, and dental and periodontal charting, deliver plaque control instruction, and demonstrate and explain fluoride applications.

### **Other assignments (if applicable)**

1. Practice of scaling on typodont

## Outside Assignments

### District General Education

A. Natural Sciences

B. Social and Behavioral Sciences

C. Humanities

D. Language and Rationality

E. Health and Physical Education/Kinesiology

F. Ethnic Studies/Gender Studies

### CSU GE-Breadth

Area A: English Language Communication and Critical Thinking

Area B: Scientific Inquiry and Quantitative Reasoning

Area C: Arts and Humanities

Area D: Social Sciences

Area E: Lifelong Learning and Self-Development

Area F: Ethnic Studies

### CSU Graduation Requirement in U.S. History, Constitution and American Ideals:

#### IGETC

Area 1: English Communication

Area 2A: Mathematical Concepts & Quantitative Reasoning

Area 3: Arts and Humanities

Area 4: Social and Behavioral Sciences

Area 5: Physical and Biological Sciences

Area 6: Languages Other than English (LOTE)

## Textbooks and Lab Manuals

### Resource Type

Textbook

### Description

Nield-Gehrig, Jill S and Willmann Donald E. (2017). *Patient Assessment Tutorials* (8th). Wolters Kluwer/Lippincott Williams & Wilkins.

### Resource Type

Textbook

### Description

Logothetis, Demetra D. (2017). *Local Anesthesia for the Dental Hygienist* (2nd). Mosby.

**Resource Type**

Textbook

**Description**

Darby, Michele, Walsh, Margaret. (2015). *Dental Hygiene Theory and Practice (4th)*. Saunders.

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**Resource Type**

Textbook

**Description**

Malamed, Stanley F., DDS (2015). *Medical Emergencies in the Dental Office (7th)*. St.Louis, Missouri Mosby.

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**Library Resources**

**Sufficient Library Resources exist**

Yes

**Primary Minimum Qualification**

DENTAL TECHNOLOGY

**Additional local certifications required**

All dental hygiene program faculty members must possess a baccalaureate or higher degree in a discipline related field and must have current knowledge of the specific subjects they are teaching and background in appropriate educational methodology. Dentists or dental hygienists who supervise students' clinical procedures must have qualifications which comply with the state dental or dental hygiene practice act. For this class, an instructor must have a license, such as a license to practice dentistry or dental hygiene, which covers the rendering of dental hygiene treatment and administration of local anesthetic.

**Review and Approval Dates**

**Department Chair**

04/27/2020

**Dean**

04/27/2020

**Technical Review**

05/13/2020

**Curriculum Committee**

05/13/2020

**Curriculum Committee**

12/09/2020

**CCCCO**

MM/DD/YYYY

**Control Number**

CCC000584173

**DOE/accreditation approval date**

MM/DD/YYYY