

# DH R051: CLINICAL SKILLS REVIEW FOR DENTAL HYGIENE

**Originator**  
aderdiarian

**College**

Oxnard College

**Discipline (CB01A)**

DH - Dental Hygiene

**Course Number (CB01B)**

R051

**Course Title (CB02)**

Clinical Skills Review for Dental Hygiene

**Banner/Short Title**

Clinical Skills Review for DH

**Credit Type**

Credit

**Start Term**

Summer 2021

**Catalog Course Description**

This course provides the opportunity for additional instruction in dental hygiene clinical skills and related studies.

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

1240.20 - \*Dental Hygienist

**Course Credit Status (CB04)**

C (Credit - Not 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)**

2 - Not 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

**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**

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

None

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

None

**Activity**

**Laboratory**

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

26.25

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

26.25

**Total in-Class**

**Total in-Class**

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

26.25

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

26.25

**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**

26.25

**Total Maximum Student Learning Hours**

26.25

**Minimum Units (CB07)**

.5

**Maximum Units (CB06)**

.5

**Prerequisites**

DH R040 and DH R041 and DH R042 and DH R043 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**

Student must be able to provide periodontal care at a competent level in order to be fully prepared for the clinical licensure exam. This includes all aspects of patient care.

**Prerequisite Course Objectives**

DH R040-Illustrate advanced root instrumentation  
 DH R040-Illustrate the use of alternative fulcrums and reinforced finger rests  
 DH R040-Practice instrumentation utilizing modified periodontal instruments (Mini Five, Curvettes, Langer Curets)  
 DH R040-Illustrate the maintenance of dental implants  
 DH R040-List examples of common root morphology problems encountered that make exploration difficult  
 DH R040-Describe the conditions that most likely cause burnished calculus  
 DH R040-Describe reasons for failure to pass the California state board examination  
 DH R040-Describe the advantages of reinforced scaling  
 DH R041-Locate a position in dental hygiene  
 DH R042-Assess the elements involved in and rationale behind dental specific treatment plans, especially for patients who present with advanced periodontal involvement  
 DH R042-Appraise and recognize the requirements for the state board exam  
 DH R042-Predict the elements involved in implementing non-surgical periodontal therapy as it applies in a clinical and private practice setting  
 DH R042-Analyze and interpret the data to formulate a dental hygiene diagnosis  
 DH R042-Describe medical conditions that require treatment modifications prior to or during dental hygiene treatment  
 DH R042-Evaluate the periodontium, and identify conditions that compromise periodontal health and function  
 DH R043-Manage advanced dental hygiene treatment of adult and child patients  
 DH R043-Illustrate appropriate dental hygiene techniques in scaling, polishing, and fluoride application  
 DH R043-Illustrate appropriate oral inspections, cancer screening, dental and periodontal charting, and nutritional counseling

DH R043-Illustrate proper techniques in ultrasonic scaling, taking alginate impressions, making study models, and pit and fissure sealants  
DH R043-Illustrate proper technique in the administration of local anesthetic and nitrous oxide oxygen sedation  
DH R044-Evaluate the effectiveness of the implemented program  
DH R045-Differentiate between direct and indirect supervision duties for the RDH in the State of California  
DH R045-Demonstrate an appreciation for the role of accurate and appropriate record keeping in the prevention of malpractice  
DH R045-Explain how the principle of "Informed Consent" is derived from the basic principle of autonomy

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**Requisite Justification**

**Requisite Type**

Prerequisite

**Requisite**

DH R040

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

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**Requisite Type**

Prerequisite

**Requisite**

DH R041

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

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**Requisite Type**

Prerequisite

**Requisite**

DH R042

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Closely related lecture/laboratory course

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**Requisite Type**

Prerequisite

**Requisite**

DH R043

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

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**Requisite Type**

Enrollment Limitation

**Requisite**

DH R044

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

**Requisite Type**

Prerequisite

**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 competence to pass the clinical licensure examination |
| 2 | Demonstrate effective use of the Cavitron                         |
| 3 | Demonstrate effective probing techniques                          |
| 4 | Demonstrate effective hand scaling techniques                     |

**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                            |
| 6 | Screen, evaluate and select patients as candidates for use for the state licensure exam                                            |

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

Lab Class Only

**Laboratory or Activity Content**

1. Review of the Treatment of 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. Review Skills in the Administration of Local Anesthetic
  - a. Armamentarium
    - i. Syringe
    - ii. Needle
    - iii. Carpule
  - b. Contraindications
    - i. Recognition of contraindications
    - ii. Recognition and implementation of treatment modifications
  - c. Management of medical emergencies
    - i. Recognition of and response to medical emergencies
- 3. Review of Clinical Procedures
  - 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. Review of Ultrasonic Scaling Devices
  - a. Case selection
  - b. Contraindications
  - c. Proper technique

## 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

**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  
Problem-Solving Assignments

## Instructional Methodology

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

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

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

Methods may include, but are not limited to:

- A. Direct one-on-one observation of proper scaling, root planing, polishing, and local anesthesia delivery techniques
- B. Correction of scaling, root planing, polishing, local anesthesia delivery techniques and general patient dental hygiene care techniques as necessary

- C. In-lab patient-specific physical demonstrations of finger fulcrums, rests, grasp, and stroke activation as appropriate for each individual patient
- D. Evaluation based on licensure exam criteria and instructor's suggestions on how to improve clinical performance for state board examination.

## Representative Course Assignments

### Writing Assignments

N/A

### Critical Thinking Assignments

Students will be evaluate a patients medical history, perform an intra and extraoral exam and document findings, develop a personalized treatment plan, execute the treatment plan at an expert level, provide proper oral hygiene instructions and explain to the patient their follow up plan. Students will need to demonstrate competency to sit for the licensure examination.

### Reading Assignments

1. Students will be instructed to review the candidate information from the dental hygiene state licensure examination
2. Students may be instructed to review material from Periodontal Instruemntation (Pattison)
3. Students may be instructed to review material from Clinical Prattice of the Dental Hygienist (Wilkins)
4. Students may be instructed to review material about Dental Radiology

### Skills Demonstrations

Students will be able to demonstrate proficient use of hand insturments. Students will demonstrate proficiency in use of ultrasonic scalers. Students will demonstrate proficiency of using the polishing prophy angle.

### Other assignments (if applicable)

1. Practice of scaling on tyodont

## Outside Assignments

### Representative Outside Assignments

1. Reading
  - a. Students will be instructed to review the candidate information from the dental hygiene state licensure examination
  - b. Students may be instructed to review material from Periodontal Instrumentation (Pattison)
  - c. Students may be instructed to review material from Clinical Practice of the Dental Hygienist (Wilkins)
  - d. Students may be instructed to review material about Dental Radiology

## Textbooks and Lab Manuals

### Resource Type

Textbook

### Classic Textbook

Yes

### Description

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

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### Resource Type

Textbook

### Description

Nield-Gehrig, J.S. (2017). *Fundamentals of Periodontal Instrumentation and Advanced Root Instrumentation* (8th). Baltimore, MD Lippincott Williams & Wilkins.

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### Resource Type

Textbook

**Description**

Demetra Daskaios Logethetis (2017). *Local Anesthesia for the Dental Hygienist* (2nd). St. Louis, Missouri Mosby.

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**Resource Type**

Other Instructional Materials

**Description**

Typodonts, dental instruments, and dental equipment for physical demonstrations.

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**Primary Minimum Qualification**

DENTAL TECHNOLOGY

**Additional local certifications required**

All dental hygiene program faculty members must possess a baccalaureate or higher degree in a subject 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**

05/06/2020

**Dean**

05/06/2020

**Technical Review**

05/13/2020

**Curriculum Committee**

05/13/2020

**Curriculum Committee**

12/09/2020

**CCCCO**

MM/DD/YYYY

**Control Number**

CCC000263002

**DOE/accreditation approval date**

MM/DD/YYYY