

# DH R036: COMMUNITY ORAL HEALTH FOR DENTAL HYGIENE I

**Originator**

aderdiarian

**Co-Contributor(s)**
**Name(s)**

Elkerdany , Amira (amira\_elkerdany1)

**College**

Oxnard College

**Discipline (CB01A)**

DH - Dental Hygiene

**Course Number (CB01B)**

R036

**Course Title (CB02)**

Community Oral Health for Dental Hygiene I

**Banner/Short Title**

Community Oral Hlth for DH I

**Credit Type**

Credit

**Start Term**

Fall 2021

**Catalog Course Description**

This course introduces students to the principles and practices of dental public health. The emphasis is placed on the role of the dental hygienist as an innovator of and educator in community health programs. Public health issues will be introduced and discussed. Limitations on Enrollment: Physical/clinical examination (within the last 12 months) with CBC and urinalysis verifying physical fitness; Tuberculosis Mantoux test or chest x-ray; Hepatitis B Vaccine & titer; Tetanus Vaccine; Titers showing immunity to Rubella, Rubeola, and Varicella; 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)**

C - Clearly 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

**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**

35

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

35

**Activity**

**Laboratory**

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

None

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

None

**Total in-Class**

**Total in-Class**

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

35

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

35

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

Paid

Unpaid

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

70

**Maximum Outside-of-Class Hours**

70

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

105

**Total Maximum Student Learning Hours**

105

**Minimum Units (CB07)**

2

**Maximum Units (CB06)**

2

**Prerequisites**

DH R020 and DH R021 and DH R022 and DH R023 and DH R024 and DH R025

**Corequisites**

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

**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 require an understanding of all aspects of the dental hygiene process of care as well as an understanding of oral health and its associated risk factors in order to apply this knowledge to a population level in a public health setting.

**Prerequisite Course Objectives**

DH R020-Explain the pharmacology, physiology, and proper use of local anesthetic agents

DH R020-Explain procedures for the prevention of emergencies

DH R020-Demonstrate competency in the management of medical and dental emergencies

DH R021-Identify and explain the various pathological processes of disease, inflammation, immunology defense, degeneration, neoplasm, developmental disorders, and healing and repairs

DH R021-Recognize abnormalities in the human body with a special emphasis on normal and abnormal conditions in the oral cavity

DH R021-Explain the body processes involved in disease formation and the systems the body employs in its defense

DH R021-Identify etiologic factors and the signs and symptoms that are associated with diseases

DH R021-Describe the body systems responsible for adaptation, wound healing, and repair

DH R021-Recognize abnormal oral or health related conditions that must be called to the attention of a dentist or those that preclude, or alter, dental hygiene practice

DH R021-Analyze the social and economic significance of disease and disease control

DH R021-Report major disease entities with emphasis on those that occur in the oral cavity

DH R021-Appraise the degenerative and regenerative processes associated with pathogenesis

DH R021-Examine oral tissues and recognize a deviation from normal that may be present

DH R022-Identify the acts and the regulatory agencies within the federal government that affect the use of medications.

DH R022-Select and discuss drug information references available to research information.

DH R022-Identify dental considerations and modifications to treatment that might be necessary based on the specific drug category.

DH R022-Gain an appreciation for the role of research in evidence-based dental hygiene practice.

DH R023-Provide beginning treatment of adult and child patients

DH R023-Demonstrate various clinical procedures utilizing scaling and polishing techniques

DH R023-Demonstrate extraoral and intraoral inspections, cancer screening, and dental and periodontal charting

DH R023-Deliver plaque control instruction

DH R023-Demonstrate and explain fluoride applications

DH R024-Describe rationale, method, routine and scientific basis for dental hygiene procedures

DH R024-Describe what emergency situations may arise in a clinical situation and how they may be addressed

DH R024-Manage dental hygiene treatment planning

DH R024-Describe the signs, symptoms, and treatments of carpal tunnel syndrome and its effects on the practicing dental hygienist

DH R024-Describe instrumentation techniques and instrument selection appropriate for patient treatment

DH R024-Analyze and describe methods and techniques of plaque control

DH R024-Analyze fluorides and their effects on and use in patient treatment

DH R024-Interpret pertinent patient treatment sequencing and present findings

DH R024-Analyze and describe correct radiology techniques used in exposing, developing, mounting, and critiquing radiographs

DH R024-Describe and assess current clinical issues of concern

DH R024-Analyze dental hygiene clinical cases and determine patient and clinician needs appropriate for the case

DH R025-List, describe and differentiate various periodontal diseases in a classification system as established by the American Academy of Periodontology.

DH R025-Identify periodontal risk factors that affect onset, progression and severity of periodontal diseases

DH R025-Identify periodontal risk factors that are acquired, environment and genetic.

DH R025-Evaluate potential periodontal interrelationships to include: stroke, coronary heart disease, respiratory disease, diabetes, preterm low birth weight deliveries and other conditions associated with progression of periodontal disease.

DH R025-Explain the interplay between periodontal pathogens and the host tissues.

DH R025-Describe the stages of development bacterial colonization and composition of human supragingival and subgingival biofilm.

DH R025-Explain microbiologic and immunologic interactions of the host in periodontal disease.

DH R025-Describe the sequential development of inflammatory periodontal disease.

DH R025-Define and describe various evaluative methods (probing, clinical attachment levels, bleeding and exudate, mobility, etc.) needed to measure variations from periodontal health.

DH R025-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 R025-Explain the role of the re-evaluation appointment in determining the next phase of periodontal treatment.

DH R025-Describe the components of the re-evaluation appointment.

## Requisite Justification

### Requisite Type

Prerequisite

### Requisite

DH R020

### Requisite Description

Course in a sequence

### Level of Scrutiny/Justification

Content review

---

### Requisite Type

Prerequisite

### Requisite

DH R021

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

---

**Requisite Type**

Prerequisite

**Requisite**

DH R022

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

---

**Requisite Type**

Prerequisite

**Requisite**

DH R023

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

---

**Requisite Type**

Prerequisite

**Requisite**

DH R024

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

---

**Requisite Type**

Prerequisite

**Requisite**

DH R025

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

---

**Requisite Type**

Corequisite

**Requisite**

DH R030

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

---

**Requisite Type**

Corequisite

**Requisite**

DH R031

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

---

**Requisite Type**

Corequisite

**Requisite**

DH R032

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

---

**Requisite Type**

Corequisite

**Requisite**

DH R033

**Requisite Description**

Course not in a sequence

**Level of Scrutiny/Justification**

Content review

---

**Requisite Type**

Corequisite

**Requisite**

DH R034

**Requisite Description**

Course in a sequence

**Level of Scrutiny/Justification**

Content review

---

**Requisite Type**

Corequisite

**Requisite**

DH R035

**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 | Students will give a presentation on a community oral health project at the end of the term using current dental literature, target population assessments and barriers to care in order to present a proposal for the project to be executed in DHR044. |
| 2 | Students will be able to review and critically evaluate dental literature.   |
| 3 | Students will be able to evaluate community dental programs with beginning level competency.   |
| 4 | Students will be able to list and describe 3 types of sealants when classifying them by content.   |

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

- |    |   |
|----|---|
| 1  | Describe the steps necessary to assess, plan, implement, and evaluate an oral health program with beginning level competency      |
| 2  | Explain the history of dental hygiene in relation to dental public health.  |
| 3  | Describe community dental health/dental public health.  |
| 4  | Defend the need for preventive modalities in dental public health practice.   |
| 5  | Identify appropriate levels of supplemental fluoride for a community.   |
| 6  | Identify and use community dental health activities related to prevention and control of oral conditions and promotion of health. |
| 7  | Advocate the use of a dental hygienist without restrictive barriers in scope of practice.   |
| 8  | Define oral health in relation to health education and promotion.   |
| 9  | Describe the effect culture has on oral health and dental hygiene care.   |
| 10 | List barriers to obtaining and delivering dental hygiene care.  |
| 11 | Describe and define the goals of various dental indices.  |
| 12 | Define dental hygiene positions in the areas of public health and government.   |
| 13 | Discuss different research designs and when each is appropriate to use.   |
| 14 | Explain the elements necessary to obtain valid and reliable results for observational, exploratory and experimental research.     |
| 15 | Evaluate oral health research articles applying concepts of research design and methodology.                                      |
| 16 | Interpret oral health data by proper application of statistical principles and tests.   |
| 17 | Gain an appreciation for the role of research in evidence-based dental hygiene practice.  |
| 18 | Describe current epidemiological trends or oral conditions and diseases.  |
| 19 | Compare the federal, state/provincial and local presence of government in dental care delivery.                                   |

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

1. Dental public health and preventive dentistry
2. Health education and promotion
3. Program development in public health:
  - a. Needs Assessment
  - b. Program planning

- c. Program implementation
- d. Program evaluation
4. Target populations
5. Cultural Competency
  - a. race and ethnicity
  - b. stereotyping
  - c. cultural health beliefs
6. Fluorides and fluoridation
7. Biostatistics
8. State, federal, and international programs
9. Community dental programs
10. Visuals aids in communicating dental information
11. Interpreting plaque, gingival, caries, and periodontal indices as used in community research programs
12. Dental public health programs at the local, state, national, and international levels
13. Epidemiology and community health
14. Health, wellness, community health, and dental public health
15. The use of basic statistics to critically evaluate dental literature
16. Methods of preventing dental caries and periodontal disease on a community basis
17. Techniques for prevention and control for oral cancer, oral clefts and malocclusion
18. Barriers to utilization of health services
19. Demographic trends and their impact on oral health care and utilization of dental services
20. Methods of financing dental care
21. Screening methods for assessing oral health needs in a community
22. Oral health material based on the identified target group, topic, assessment data, and objectives
23. Research
  - a. Evaluation of scientific literature and dental products
  - b. The research process
  - c. Ethical principles in research

#### Laboratory or Activity Content

None

### 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  
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):**

Computational homework  
Essay exams  
Essays  
Group projects  
Individual projects  
Objective exams  
Oral presentations  
Problem-Solving Assignments  
Problem-solving exams  
Quizzes  
Role playing  
Reports/papers  
Research papers  
Simulations  
Treatment plans

### Instructional Methodology

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

Audio-visual presentations  
Computer-aided presentations



Collaborative group work  
 Class activities  
 Class discussions  
 Case studies  
 Distance Education  
 Demonstrations  
 Group discussions  
 Guest speakers  
 Instructor-guided interpretation and analysis  
 Instructor-guided use of technology  
 Internet research  
 Lecture  
 Role-playing  
 Small group activities

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

PowerPoint presentations and short videos on various aspects of developing a public health program, case studies/testlets from the textbook and other sources describing dental public health programs, group discussions regarding cultural health beliefs and various public health case studies, in-class research regarding target populations' oral health needs, guest speakers who are experts in the dental public health, in-class trivia games to test knowledge of various topics in public health

## Representative Course Assignments

### Writing Assignments

Writing assignments include essay exams on public health topics, such as "Discuss the importance of cultural competency in a public health setting," covered in lecture and assigned reading

Students will also complete written assignments on the following topics: proposal on a community oral health project at the end of the term using current dental literature, target population assessments and barriers to care in order to present a proposal for the project to be executed in DHR044; evaluation of a journal article related to their target population; student-conducted interview with a classmate regarding cultural health beliefs and its application to patient and population care; brainstorming exercises regarding research study development and research ethics.

### Critical Thinking Assignments

Case study assignments and in-class discussions involving public health programs and critical thinking questions relating to program assessment, development, implementation, and evaluation. The following assignments also require critical thinking: proposal on a community oral health project at the end of the term using current dental literature, target population assessments and barriers to care in order to present a proposal for the project to be executed in DHR044; evaluation of a journal article related to their target population; student-conducted interview with a classmate regarding cultural health beliefs and its application to patient and population care; brainstorming exercises regarding research study development and research ethics.

### Reading Assignments

Student will spend a minimum of 4 hours per week outside of the regular class time doing independent study and reading from assigned text and professional journals, for example The Journal of the American Dental Association, and other related books. Assignments related to the reading include: completing questions at the end of the chapter, writing a one-page summary on the chapter, creating test questions from the chapter, and in-class discussions of the material.

### Skills Demonstrations

Skills only involve critical thinking skills, which students will demonstrate through the following: Case study assignments and in-class discussions involving public health programs and critical thinking questions relating to program assessment, development, implementation, and evaluation. The following assignments also require critical thinking: proposal on a community oral health project at the end of the term using current dental literature, target population assessments and barriers to care in order to present a proposal for the project to be executed in DHR044; evaluation of a journal article related to their target population; student-conducted interview with a classmate regarding cultural health beliefs and its application to patient and population care; brainstorming exercises regarding research study development and research ethics.

### Other assignments (if applicable)

None

## Outside Assignments

### Representative Outside Assignments

Student will spend a minimum of 4 hours per week outside of the regular class time doing independent study and reading from assigned text and professional journals, for example The Journal of the American Dental Association, and other related books

Students will also complete written assignments, critical thinking assignments, and class presentations

**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

**Classic Textbook**

Yes

**Description**

Nathe, Christine Nielsen. (2017). Dental Public Health & Research; Contemporary Practice for the Dental Hygienist. (4<sup>th</sup> Ed.). Pearson

---

**Resource Type**

Other Resource Type

**Description**

Handouts from recent journal articles, such as Dimensions in Dental Hygiene.

**Library Resources****Assignments requiring library resources**

None

**Sufficient Library Resources exist**

Yes

**Example of Assignments Requiring Library Resources**

None

**Distance Education Addendum****Definitions****Distance Education Modalities**

Hybrid (51%–99% online)

Hybrid (1%–50% online)

**Faculty Certifications**

Faculty assigned to teach Hybrid or Fully Online sections of this course will receive training in how to satisfy the Federal and state regulations governing regular effective/substantive contact for distance education. The training will include common elements in the district-supported learning management system (LMS), online teaching methods, regular effective/substantive contact, and best practices.

Yes

Faculty assigned to teach Hybrid or Fully Online sections of this course will meet with the EAC Alternate Media Specialist to ensure that the course content meets the required Federal and state accessibility standards for access by students with disabilities. Common areas for discussion include accessibility of PDF files, images, captioning of videos, Power Point presentations, math and scientific notation, and ensuring the use of style mark-up in Word documents.

Yes

**Regular Effective/Substantive Contact****Hybrid (1%–50% online) Modality:**

Method of Instruction	Document typical activities or assignments for each method of instruction
E-mail	Email submissions of assignments
Other DE (e.g., recorded lectures)	Online quizzes and exams

**Hybrid (51%–99% online) Modality:**

Method of Instruction	Document typical activities or assignments for each method of instruction
E-mail	Email submissions of assignments
Asynchronous Dialog (e.g., discussion board)	Discussion boards on various topics in public health
Other DE (e.g., recorded lectures)	Online quizzes and exams
Video Conferencing	Video conference lectures

**Examinations****Hybrid (1%–50% online) Modality**

Online

On campus

**Hybrid (51%–99% online) Modality**

Online  
On campus

**Primary Minimum Qualification**

DENTAL TECHNOLOGY

**Additional local certifications required**

Dental Hygiene faculty members must comply with the requirements set by the Commission on Dental Accreditation (CODA). CODA requires that program faculty member providing didactic instruction must have earned at least a baccalaureate degree in a discipline related field. All dental hygiene faculty members must have current knowledge of the specific subjects they are teaching and documented background in educational methodology consistent with their teaching assignments. Dentists and dental hygienists who supervise students' clinical procedures should have qualifications which comply with the state dental or dental hygiene act. Individuals who teach and supervise dental hygiene students in clinical enrichment experiences should have qualifications comparable to faculty who teach in the dental hygiene clinic and are familiar with the program's objectives, content, instructional methods and evaluation procedures.

**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**

CCC000328382

**DOE/accreditation approval date**

MM/DD/YYYY