

DH R044: COMMUNITY ORAL HEALTH FOR DENTAL HYGIENE II

Originator

aderdiarian

Co-Contributor(s)
Name(s)

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College

Oxnard College

Discipline (CB01A)

DH - Dental Hygiene

Course Number (CB01B)

R044

Course Title (CB02)

Community Oral Health for Dental Hygiene II

Banner/Short Title

Community Oral Hlth for DH II

Credit Type

Credit

Start Term

Spring 2021

Catalog Course Description

This class is the laboratory portion of the community oral health courses (the lecture portion is Community Oral Health for Dental Hygiene I, DH R036). It uses community settings as the forum to relay the principles of dental public health as they relate to both children and adult populations. 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 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)

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

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

52.5

Maximum Contact/In-Class Laboratory Hours

52.5

Total in-Class

Total in-Class

Total Minimum Contact/In-Class Hours

52.5

Total Maximum Contact/In-Class Hours

52.5

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

Paid

Unpaid

Total Outside-of-Class

Total Outside-of-Class

Total Student Learning

Total Student Learning

Total Minimum Student Learning Hours

52.5

Total Maximum Student Learning Hours

52.5

Minimum Units (CB07)

1

Maximum Units (CB06)

1

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 R043 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 require an understanding of all aspects of the dental hygiene process of care, oral health and its associated risk factors, and public health concepts as they relate to population health.

Prerequisite Course Objectives

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

DH R030-Analyze how to establish positive interpersonal communication with 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

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

DH R031-Analyze the digestive mechanisms

DH R031-Evaluate the nutritional status of patients

DH R031-Perform nutrition counseling with dental patients

DH R031-Evaluate a 3-4 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

DH R031-Identify key structural features, functions, major metabolic pathways, and nutritional roles of carbohydrates, lipids, and proteins

DH R031-Identify roles and sources of vitamins and minerals that are essential to oral health and general well-being

- DH R031-List the essential amino acids and explain what makes them “essential”
- DH R032-Explain and distinguish between the various restorative materials used in dentistry
- DH R032-Assess the physical, electrical, and mechanical properties of materials used in dentistry
- DH R032-Explain the effects the oral environment may have on dental materials, as well as the effect dental materials may have on the oral environment
- DH R032-Explain the role preventive dental materials play in preventing oral diseases
- DH R032-Assess the various types of materials used for esthetic dental restorations
- DH R032-Compare the role amalgam restorations have played in restorative dentistry in the past and what role they have in the present and the future
- DH R032-Explain the amalgamation process and all related health concerns
- DH R032-Explain the legal and ethical ramifications of different levels of treatment
- 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-Prepare for the National Boards
- 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-Compare and contrast with peers and faculty the overall issues of dental hygiene practice as it relates to clinical practice and performance in private practice
- DH R033-Prepare an oral discussion and typed summary of a literature paper on a selected topic
- DH R033-Analyze and interpret the data to formulate a dental hygiene diagnosis
- 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
- DH R033-Analyze published reports of oral health and apply this information to the practice of dental hygiene
- DH R034-Provide treatment for moderately complex adult and pediatric dental hygiene cases.
- 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
- 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-Competently evaluate current scientific literature
- 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 types of dental implants used in dentistry, and describe the procedure for implant placement.
- 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.
 DH R035-Explain how an evidence-based decision-making approach enhances critical thinking and professional decision-making regarding patient care.
 DH R035-Conduct an effective literature search using electronic databases (such as PubMed, MEDLINE, CINAHL), professional journals, government documents, product literature and other print publications, video and other forms of multimedia.
 DH R036-Describe the steps necessary to assess, plan, implement, and evaluate an oral health program with beginning level competency
 DH R036-Explain the history of dental hygiene in relation to dental public health.
 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-Describe the effect culture has on oral health and dental hygiene care.
 DH R036-List barriers to obtaining and delivering dental hygiene care.
 DH R036-Describe and define the goals of various dental indices.
 DH R036-Define dental hygiene positions in the areas of public health and government.
 DH R036-Discuss different research designs and when each is appropriate to use.
 DH R036-Explain the elements necessary to obtain valid and reliable results for observational, exploratory and experimental research.
 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-Gain an appreciation for the role of research in evidence-based dental hygiene practice.
 DH R036-Describe current epidemiological trends or oral conditions and diseases.
 DH R036-Compare the federal, state/provincial and local presence of government in dental care delivery.

Requisite Justification

Requisite Type

Prerequisite

Requisite

DH R030

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Prerequisite

Requisite

DH R031

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Prerequisite

Requisite

DH R032

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Prerequisite

Requisite

DH R033

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Prerequisite

Requisite

DH R034

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Prerequisite

Requisite

DH R035

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Prerequisite

Requisite

DH R036

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Corequisite

Requisite

DH R040

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Corequisite

Requisite

DH R041

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Corequisite

Requisite

DH R042

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Corequisite

Requisite

DH R043

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

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 | Students will be able to assess, plan, implement and evaluate an oral health lesson on specific community dental health topics based on the proposal given in DHR036. |
| 2 | Students will plan and implement a visit to an elementary school to present an oral health and nutrition lesson. |
| 3 | Prepare and present teaching lessons on specific community dental health topics. |
| 4 | Plan, implement and evaluate a visit to a nursing home or home for the disabled (in-staff service, and/or for patients) or presentation at certified nursing aid/rn program regarding oral health. |

Course Objectives

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

- | | |
|---|---|
| 1 | Assess the oral health needs of community-based programs |
| 2 | Plan an oral health program to include health promotion and disease prevention activities |
| 3 | Implement the planned program |
| 4 | Evaluate the effectiveness of the implemented program |

Course Content**Lecture/Course Content**

Lecture Content from DH R036:

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

Students will spend class time doing the following:

1. Students will assess, plan, implement and evaluate an oral health lesson on specific community dental health topics based on the proposal given in DHR036.
 - a. Conduct a Needs Assessment
 - b. Develop presentation lesson plan
 - c. Develop presentation content
 - d. Develop presentation visuals and handouts
 - e. Create program evaluation tools (Pre/Post Test)
 - f. Implement oral health lesson to selected target group
 - g. Evaluate effectiveness of oral health lesson
 - h. Give presentation at the end of the term on how the oral health program was developed, the effectiveness of the oral health program, and self-reflection on the process
2. Students will plan and implement a visit to an elementary school.
 - a. Develop presentation content
 - b. Develop presentation visuals and handouts
3. In-class reflection paper addressing the students' attitudes, opinions, and knowledge of public health dentistry after completing DH R036 and DH R044

Methods of Evaluation

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

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):

Essay exams
 Essays
 Film/video productions
 Graphic/architectural designs
 Group projects
 Individual projects
 Laboratory activities
 Laboratory reports
 Objective exams
 Oral presentations
 Problem-Solving Assignments
 Problem-solving exams
 Quizzes
 Reports/papers
 Research papers

Instructional Methodology

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

Audio-visual presentations
 Computer-aided presentations
 Collaborative group work
 Clinical demonstrations
 Class activities
 Class discussions
 Case studies
 Distance Education
 Demonstrations
 Field experience/internship
 Field trips
 Group discussions
 Guest speakers
 Instructor-guided interpretation and analysis
 Instructor-guided use of technology
 Internet research
 Laboratory activities
 Lecture
 Role-playing

Small group activities**Describe specific examples of the methods the instructor will use:**

Instructor will spend weekly one-on-one time with each individual student or small group to give guidance and feedback as students work through each phase of developing their oral health lessons.

The instructor may or may not choose to be present at the actual site where the students deliver their oral health lesson; thus, the students are required to create a PowerPoint presentation at the end of term telling the class and the instructor about their target population, the content of their oral health lessons, the effectiveness of their program, what they would have done differently given the chance to do it again, and what they learned from the process.

Student will do the bulk of the work in class (lab), and the instructor will work with each student or small group on a weekly basis, providing feedback on every step of the students' program development process.

Representative Course Assignments**Writing Assignments**

1. Students will develop (write) a needs assessment, lesson plan, lesson, evaluation tools, and final presentation based on their uniquely selected target group and their target groups' oral health needs
2. Student will develop (write) an oral health lesson to present at various local elementary schools, and incorporate topics such as how to avoid tooth decay
3. Students will write an in-class reflection paper addressing their attitudes, opinions, and knowledge of public health dentistry after completing DH R036 and DH R044

Critical Thinking Assignments

Writing assignments require the students to think critically about the information they have collected and apply that information in creating their projects:

1. Students will develop (write) a needs assessment, lesson plan, lesson, evaluation tools, and final presentation based on their uniquely selected target group and their target groups' oral health needs
2. Student will develop (write) an oral health lesson to present at various local elementary schools, and incorporate topics such as how to avoid tooth decay
3. Students will write an in-class reflection paper addressing their attitudes, opinions, and knowledge of public health dentistry after completing DH R036 and DH R044

Reading Assignments

In developing their projects, students will need to refer back to the textbook from DH R036 and its corresponding chapters related to target populations, program development, program evaluation, and cultural competency.

Assignments may be given related to the reading and may 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

None

Other assignments (if applicable)

Possible participation in one oral health-related outreach event, if available

Outside Assignments**Representative Outside Assignments**

Work not completed during lab must be completed at home, such as reading assignments, writing assignments, and critical thinking 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

Classic Textbook

Yes

DescriptionNathe, Christine Nielsen. (2017). Dental Public Health & Research; Contemporary Practice for the Dental Hygienist. (4th Ed.). Pearson**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

Hybrid (51%–99% 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 submissions of assignments
Video Conferencing	Video conferencing with students to provide feedback
Asynchronous Dialog (e.g., discussion board)	Discussion board topics related to community oral health

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

04/29/2020

Dean

04/29/2020

Technical Review

05/13/2020

Curriculum Committee

05/13/2020

Curriculum Committee

12/09/2020

CCCCO

MM/DD/YYYY

Control Number

CCC000584172

DOE/accreditation approval date

MM/DD/YYYY