DA R013: OCCUPATIONAL HEALTH FOR DENTAL ASSISTING

Originator
aderdiarian

Co-Contributor(s)

Name(s)
Najarian, Raffi (rnajarian)

College
Oxnard College

Discipline (CB01A)
DA - Dental Assistant

Course Number (CB01B)
R013

Course Title (CB02)
Occupational Health for Dental Assisting

Banner/Short Title
Occupational Health for DA

Credit Type
Credit

Start Term
Fall 2021

Catalog Course Description
This course teaches the dental assistant the rules and regulations in a dental office that are required by the federal, state and local regulations concerning the handling of hazardous chemicals, employee safety and waste management.

Taxonomy of Programs (TOP) Code (CB03)
1240.10 - *Dental Assistant

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
17.5
Maximum Contact/In-Class Lecture Hours
17.5

Activity

Laboratory

Total in-Class

Total in-Class
Total Minimum Contact/In-Class Hours
17.5
Total Maximum Contact/In-Class Hours
17.5

Outside-of-Class

Internship/Cooperative Work Experience

Paid

Unpaid

Total Outside-of-Class

Total Outside-of-Class
Minimum Outside-of-Class Hours
35
Maximum Outside-of-Class Hours
35

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

Corequisites
DA R010 and DA R011 and DA R012 and DA R014 and and DA R015

Advisories on Recommended Preparation
High School Diploma or GED and ENGL R101 or ENGL R101H

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
Others (specify)
Physical examination demonstrating general good health
No visible tattoos or visible body piercings except single studs in earlobes

Other Limitations on Enrollment
Admittance to Dental Assisting program per application process

Requisite Justification
Requisite Type
Advisory

Requisite
ENGL R101 or ENGL R101H

Requisite Description
Course not in a sequence

Level of Scrutiny/Justification
Content review

Requisite Type
Advisory

Requisite
High School Diploma or GED

Requisite Description
Credit program requisite (credit only)

Level of Scrutiny/Justification
Content review

Requisite Type
Corequisite

Requisite
DA R010

Requisite Description
Course in a sequence

Level of Scrutiny/Justification
Content review

Requisite Type
Corequisite

Requisite
DA R011

Requisite Description
Course in a sequence

Level of Scrutiny/Justification
Content review

Requisite Type
Corequisite

Requisite
DA R012

Requisite Description
Course in a sequence

Level of Scrutiny/Justification
Content review

Requisite Type
Corequisite

Requisite
DA R014

Requisite Description
Course in a sequence

Level of Scrutiny/Justification
Content review

Requisite Type
Corequisite

Requisite
DA R015

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	Articulate the neutral working position for the dental assistant in the area of ergonomics
2	Describe where to obtain information regarding toxic waste disposal for the dental office
3	Describe the potential long-term and short-term effects of exposure to chemicals
4	Explain the role of biofilm in dental unit waterlines
5	Explain properly the difference between regulatory and non-regulatory agencies.

Course Objectives

	Upon satisfactory completion of the course, students will be able to:
1	Pronounce, define, and spell the key terms
2	Explain the difference between regulations and recommendations
3	Identify four professional sources for dental information
4	Name the premier infection-control educational organization in dentistry
5	Describe the role of the Centers for Disease Control and Prevention
6	Explain a primary difference between occupational safety and health administration and Centers for Disease Control
7	Describe the role of the Environmental Protection Agency in relation to dentistry
8	Describe the role of the Food and Drug Administration in relation to dentistry
9	Describe the role of the National Institutes of Health
10	Describe the role of the National Institute of Dental Craniofacial Research

Course Content

Lecture/Course Content
1. Regulatory and Advisory Agencies
    a. Associations and organizations
    b. Government agencies
    c. Legal and ethical issues
    d. Eye to the future
2. Chemical and Waste Management
    a. Hazardous chemicals
    b. Hazard communication program
    c. Dental office waste management
    d. Waste disposal
    e. Legal and ethical implications
    f. Eye to the future
3. Dental Unit Waterlines
    a. Background
    b. Microorganisms
    c. Infection control and dental unit waste
    d. Methods for reducing bacterial contamination

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):
Essay exams
Essays
Group projects
Individual projects
Objective exams
Oral presentations
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
Class activities
Class discussions
Distance Education
Group discussions
Guest speakers
Instructor-guided interpretation and analysis
Internet research
Lecture
Small group activities

Describe specific examples of the methods the instructor will use:

1) **Audio Visual Presentations:** Instructor utilizes multimedia presentations to demonstrate the course topics, specifically to highlight safety and accident prevention.

2) **Class Activities:** Students will demonstrate understand and competency of the material by numerous practice activities, to include equipment familiarization, and demonstration of procedures. These activities will be under the direct supervision of a laboratory instructor.

3) **Class Discussions:** The instructor will encourage participation and learning by facilitating discussions of the course content.

4) **Collaborative group work:** Laboratory faculty will encourage learning by assignments in lab which will foster the cooperation and practice of basic dental assisting responsibilities, simulating dental treatment.

5) **Computer Aided Presentations:** Instructor will utilize technology to emphasize material presented. The material will be provided by professional organizations or manufacturer instructional material

6) **Distance Education:** Instructors will have the ability to provide the didactic portion of the course through Distance Education. They will utilize lecturing with Powerpoint slides, A/V presentations and encouraging discussions among the students via the online method

7) **Group Discussions:** Instructors will be able to reinforce learning objectives and material by encouraging discussions of the course content. These discussions will encourage knowledge of the subject material but also incorporate other aspects of the course learned in concurrent classes.

8) **Guest Speakers:** Whenever possible, guest speakers will be invited to share their unique and expert perspective on topics germane to the course, encouraging dialogue and discussion in the class.

9) **Instructor-guided interpretation and analysis:** Laboratory instructors will work with students in the clinic, encouraging them to evaluate their progress and analyze procedures as to safety and effectiveness. In addition, instructors will guide students as they become exposed to the various dental materials and ensure their safe manipulation, illustrating, whenever possible,ways to improve material handling.

10) **Internet research:** Instructors will utilize professional websites to provide students up to date information and protocols for dental radiology, in addition to augmenting the traditional instructional methods

11) **Lectures:** The class employs traditional lectures with Powerpoint presentations to present the material, in addition to supplemental lecture material provided through the online portal.

12) **Small Group Activities:** Will help emphasize the material in a manner which encourages interaction with classmates and stimulates real world activities.

Representative Course Assignments

Writing Assignments

1. Students will have a writing assignment of their choice relating to occupational health and safety such as: Biofilm in dental waterlines

Reading Assignments

1. A minimum of 2 hours per week outside of regular class time.
    a. Doni L. Bird, Modern Dental Assisting
        i. Regulatory and advisory agencies
        ii. Dental units and water lines
        iii. Chemical and waste management

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
Bird, Doni L. (2020). *Modern Dental Assisting* (13th). St. Loius, Missouri Elsevier Saunders.

Library Resources

Sufficient Library Resources exist
Yes

Distance Education Addendum

Definitions

Distance Education Modalities

Hybrid (51%–99% online)
Hybrid (1%–50% online)
100% 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
Asynchronous Dialog (e.g., discussion board)	Regular use of asynchronous discussion boards encourages various types of interaction and critical thinking skills among all course participants. Questions and topics posed will allow students to discuss, compare and contrast, identify, and analyze elements of the course outcomes. Students will be required to respond to one another with substantive comments with the intent of creating a dialog. Other discussion boards may be used for Q&A and general class discussion by students and instructor to facilitate student success and strengthen student learning outcomes.
E-mail	E-mail, class announcements and various learning management system tools such as "Message Students Who" and "Assignment Comments", will be used to regularly communicate with all students on matters such as clarification of class content, reminders of upcoming assignments and/or course responsibilities, to provide prompt feedback to students on coursework to facilitate student learning outcomes, or to increase the role of an individual educator in the academic lives of a student. Students will be given multiple ways to email instructor through both the learning management system inbox and faculty provided email accounts.
Face to Face (by student request; cannot be required)	The instructor will hold weekly, scheduled office hours either in person or via-web conferencing, for students to be able to meet and discuss course materials or individual progress. Students can request additional in-person or web conferencing meetings with faculty member as needed. Faculty may encourage online students to form "study groups" in person or online.
Other DE (e.g., recorded lectures)	Faculty will use a variety of ADA compliant tools and media integrated within the learning management system to help students reach SLO competency. Tools may include: • Recorded Lectures, Narrated Slides, Screencasts • Instructor created content • OC Online Library Resources • Canvas Peer Review Tool • Canvas Student Groups (Assignments, Discussions) • 3rd Party (Publisher) Tools (MyOpenMath) • Websites and Blogs • Multimedia (YouTube, Films on Demand, 3CMedia, Khan Academy, etc.)

Synchronous Dialog (e.g., online chat)	Instructor will provide a set time each week where they will be available for synchronous chat and be available in the discussion board and can answer questions in live time.
Video Conferencing	Video tools such as ConferZoom can be used to provide live synchronous or asynchronous sessions with students. ADA compliance will be upheld with Closed Captioning during the session or of the recorded session. Recordings of all live sessions will be made available within the LMS. Video Conferences will be used to facilitate SLOs and student-to-student group meetings will also be encouraged.
Telephone	Students can request for instructor to call or vice versa in order to answer one-on-one questions about course material or student progress.

Hybrid (51%–99% online) Modality:

Method of Instruction	Document typical activities or assignments for each method of instruction
Asynchronous Dialog (e.g., discussion board)	Regular use of asynchronous discussion boards encourages various types of interaction and critical thinking skills among all course participants. Questions and topics posed will allow students to discuss, compare and contrast, identify, and analyze elements of the course outcomes. Students will be required to respond to one another with substantive comments with the intent of creating a dialog. Other discussion boards may be used for Q&A and general class discussion by students and instructor to facilitate student success and strengthen student learning outcomes.
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Telephone	Students can request for instructor to call or vice versa in order to answer one-on-one questions about course material or student progress.

100% online Modality:

Method of Instruction	Document typical activities or assignments for each method of instruction
Video Conferencing	Didactic learning will be accomplished via video conferencing
Other DE (e.g., recorded lectures)	Written assignments will be posted on Canvas for student to research and submit assignment online for review.

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 assisting faculty must have background in and current knowledge of dental assisting, the specific subjects they are teaching and educational theory and methodology e.g., curriculum development, educational psychology, test construction, measurement and evaluation. Faculty providing didactic instruction must have earned at least a baccalaureate degree or be currently enrolled in a baccalaureate degree program.Laboratory, preclinical and clinical faculty must be a Dental Assisting National Board "Certified Dental Assistant" or a California Registered Dental Assistant. Dentists are exempt from this requirement.

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
11/25/2020

CCCCO
MM/DD/YYYY

Control Number
CCC000452597

DOE/accreditation approval date
MM/DD/YYYY