

DA R020: ADVANCED DENTAL ASSISTING

Originator

aderdiarian

Co-Contributor(s)
Name(s)

Najarian, Raffi (rnajarian)

College

Oxnard College

Discipline (CB01A)

DA - Dental Assistant

Course Number (CB01B)

R020

Course Title (CB02)

Advanced Dental Assisting

Banner/Short Title

Advanced Dental Assisting

Credit Type

Credit

Start Term

Spring 2021

Catalog Course Description

This course focuses on the development of the pre-clinical skills required for the registered dental assisting student. Students are required to meet standards of competency for each registered dental assisting task. This class is designed to prepare students for the practical component of the California Registered Dental Assistant examination. Mannequins are used for most instruction.

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

Will not 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

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

70

Total Maximum Contact/In-Class Hours

70

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**

105

Total Maximum Student Learning Hours

105

Minimum Units (CB07)

2

Maximum Units (CB06)

2

Prerequisites

DA R010 and DA R011 and DA R012 and DA R013, and DA R014 and and DA R015

Corequisites

DA R021 and DA R022 and DA R023 and DA R024 and DA R015

Advisories on Recommended Preparation

High School Diploma or GED and ENGL R101 and 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

Physical examination demonstrating general good health

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

Entrance Skills**Entrance Skills**

Students need to be proficient in dental (oral) anatomy

Prerequisite Course Objectives

DA R010-Describe the list regions of head and neck anatomy

DA R011-Identify anatomical landmarks, anomalies, restorations, caries, periapical lesions, and other possible pathological defects in a formal written critique of each full mouth survey of radiographs

DA R012-List the various restorative materials used in dentistry

DA R012-Describe the physical, electrical and mechanical properties of materials used in dentistry

DA R012-Identify the effects of the oral environment may have on dental materials as well as the effect dental material may have on the oral environment

DA R012-Explain and know the finishing, polishing and cleansing materials used in dentistry
DA R012-Demonstrate the mixing of dental cement to proper consistency in a reasonable length of time
DA R012-Describe the functions of an impression material as it relates to oral tissue
DA R012-List the various types of waxes used in dentistry
DA R013-Pronounce, define, and spell the key terms
DA R013-Name the premier infection-control educational organization in dentistry
DA R014-Illustrate the regions of head and neck anatomy
DA R015-List indications and contraindications for a fixed prosthesis
DA R015-Identify the role of the dental technician
DA R015-Describe the differences among full crowns, inlays, onlays and veneers
DA R015-Identify the components of a fixed bridge
DA R015-Describe the use of porcelain for fixed Prosthodontics
DA R015-Discuss the use of core-build-up pins, and post in crown retention
DA R015-Describe the use of retraction cord before taking a final impression
DA R015-Identify home care instructions for a permanent fixed bridge
DA R015-Describe the types of provisional coverage
DA R015-Discuss the dental assistant's role in making a crown or bridge
DA R015-Discuss the steps in the construction of a denture and a partial

Entrance Skills

Students must possess basic Biology knowledge in order to ensure proper infection control procedures

Prerequisite Course Objectives

DA R010-Describe information on a standard medical history and how medical conditions and patient's medications alter or compromise dental treatment
DA R010-List the OSHA regulations
DA R013-Name the premier infection-control educational organization in dentistry
DA R013-Describe the role of the Centers for Disease Control and Prevention
DA R013-Explain a primary difference between occupational safety and health administration and Centers for Disease Control
DA R013-Describe the role of the Environmental Protection Agency in relation to dentistry
DA R013-Describe the role of the Food and Drug Administration in relation to dentistry
DA R013-Describe the role of the National Institutes of Health
DA R015-Discuss the role of an oral surgery assistant

Entrance Skills

Students must possess basic knowledge of chemistry to be able to relate it to the use of dental materials

Prerequisite Course Objectives

DA R010-List the specialties in dentistry and the role of the Dental Assistant in each specialty
DA R012-List the various restorative materials used in dentistry
DA R012-Describe the physical, electrical and mechanical properties of materials used in dentistry
DA R012-Identify the effects of the oral environment may have on dental materials as well as the effect dental material may have on the oral environment
DA R012-Describe the role that preventative dental materials play in preventing oral disease
DA R012-List the various types of materials used for esthetic dental restorations
DA R012-Explain and know the finishing, polishing and cleansing materials used in dentistry
DA R012-List the various types of waxes used in dentistry

Entrance Skills

Communication is a skill needed for presenting home care instructions and delivering oral hygiene instructions to patients.

Prerequisite Course Objectives

DA R012-List the various restorative materials used in dentistry
DA R012-Describe the physical, electrical and mechanical properties of materials used in dentistry
DA R012-Identify the effects of the oral environment may have on dental materials as well as the effect dental material may have on the oral environment
DA R012-Describe the role that preventative dental materials play in preventing oral disease
DA R012-List the various types of materials used for esthetic dental restorations
DA R012-List the role amalgam restorations are playing in restorative dentistry in the past, present and future
DA R012-Explain and know the finishing, polishing and cleansing materials used in dentistry
DA R014-Apply and record the dental assistant's role in diagnosis, data gathering and treatment
DA R014-Apply the OSHA regulations on the clinic floor
DA R014-Apply the dental assistant role in diagnosis, data collection, and treatment planning

Entrance Skills

Students must have adequate knowledge of dental terminology, infection control, patient education, preventive techniques, importance of vitals and how to take them, sterilization of equipment and instruments, and radiology.

Prerequisite Course Objectives

DA R010-Describe information on a standard medical history and how medical conditions and patient's medications alter or compromise dental treatment

DA R010-Describe the list regions of head and neck anatomy

DA R010-List and describe the overview of dentition

DA R010-List the specialties in dentistry and the role of the Dental Assistant in each specialty

DA R011-Follow the rules of radiation safety for the protection of both patient and operator

DA R012-Identify the effects of the oral environment may have on dental materials as well as the effect dental material may have on the oral environment

DA R012-Describe the role that preventative dental materials play in preventing oral disease

DA R012-List the various types of materials used for esthetic dental restorations

DA R012-List the role amalgam restorations are playing in restorative dentistry in the past, present and future

DA R013-Pronounce, define, and spell the key terms

DA R013-Name the premier infection-control educational organization in dentistry

DA R013-Describe the role of the Centers for Disease Control and Prevention

DA R013-Explain a primary difference between occupational safety and health administration and Centers for Disease Control

DA R013-Describe the role of the Environmental Protection Agency in relation to dentistry

DA R013-Describe the role of the Food and Drug Administration in relation to dentistry

Requisite Justification**Requisite Type**

Advisory

Requisite

High School Diploma or GED

Requisite Description

Credit program requisite (credit only)

Level of Scrutiny/Justification

Content review

Requisite Type

Advisory

Requisite

ENGL R101 or ENGL R101H

Requisite Description

Course not in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Prerequisite

Requisite

DA R010

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Prerequisite

Requisite

DA R011

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Prerequisite

Requisite

DA R012

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Prerequisite

Requisite

DA R013

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Prerequisite

Requisite

DA R014

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Prerequisite

Requisite

DA R015

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Corequisite

Requisite

DA R021

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Corequisite

Requisite

DA R022

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Corequisite

Requisite

DA R023

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Corequisite

Requisite

DA R024

Requisite Description

Course in a sequence

Level of Scrutiny/Justification

Content review

Requisite Type

Corequisite

Requisite

DA R025

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 | Properly perform all RDA tasks in a competent manner and will be able to anticipate the dentist's needs |
|---|---|

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

- | | |
|----|---|
| 1 | Fabricate custom, preformed and aluminum temporary crowns |
| 2 | Fabricate a custom 3-unit acrylic temporary bridge |
| 3 | Temporarily cement a crown and bridge on a model |
| 4 | Condense, carve and finish a Class II temporary restoration |
| 5 | Apply a rubber dam and remove a rubber dam at an acceptable level |
| 6 | Demonstrate proficiency in the use of calcium hydroxide base used in prepared tooth |
| 7 | Demonstrate proficiency in placing and removing a matrix and wedge on a mannequin |
| 8 | Demonstrate proficiency in placing insulating bases in a prepared tooth |
| 9 | Describe the criteria for adequacy for each RDA function |
| 10 | Describe all precautions and safety measures necessary while performing the above functions |

Course Content**Lecture/Course Content**

1. Board of Dentistry
 - a. Dental assistant
 - b. Registered dental assistant
 - c. Registered dental assistant with expanded functions
2. Examination Application Process
 - a. Completion
 - b. Documentation
3. Continuing Education Requirements
 - a. Dental assistant
 - b. Registered dental assistant
 - c. Registered dental assistant with expanded functions
4. Instrumentation for each RDA Task
 - a. Materials
 - b. Instruments
 - c. Sequency of use
 - d. Sterilization

Laboratory or Activity Content

1. Students will be able to fabricate custom, preformed and aluminum temporary crowns.
2. Students will fabricate a custom 3-unit acrylic temporary bridge.
3. Students will temporarily cement a crown and bridge on a model.
4. Students will condense, carve and finish a Class II temporary restoration.
5. Students will apply a rubber dam at an acceptable level.
6. Students will demonstrate proficiency in placing and removing a matrix and wedge on a typodont.
7. Students will demonstrate proficiency in placing insulating bases in a prepared tooth.
8. Students will be able to describe the criteria for adequacy for each RDA function.
9. Students will describe all precautions and safety measures required while performing the above functions.

Methods of Evaluation

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

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

Essays

Laboratory activities

Projects

Problem-Solving Assignments

Skills demonstrations

Instructional Methodology

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

Audio-visual presentations

Clinical demonstrations

Distance Education

Demonstrations

Laboratory activities

Lecture

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) **Clinical Demonstrations:** Faculty will demonstrate the proper use of instruments, equipment, safety protocols and correct clinical procedures of dental radiography through the use of mannequins and typodonts.
- 3) **Demonstrations:** Instructors will demonstrate procedures, assembly, materials and equipment to the students through live demonstrations or through A/V resources when needed.
- 4) **Laboratory Activities:** Laboratory instructors will demonstrate and emphasize the didactic material in the clinical setting. They will demonstrate and supervise students as they manipulate the dental materials while utilizing mannequins and typodonts. These activities will include role playing, exercises involving clinic safety, infection control, equipment management and fabrication of dental prosthesis.
- 5) **Lectures:** The class employs traditional lectures with Powerpoint presentations to present the material, in addition to supplemental lecture material provided through the online portal.

Representative Course Assignments

Writing Assignments

-

Critical Thinking Assignments

Describe the criteria for adequacy for each RDA function

Reading Assignments

1. Doni L. Bird, Modern Dental Assisting
 - a. Dental hand Instruments
 - b. General dentistry
 - c. Matrix systems for restorative dentistry
 - d. Fixed prosthodontics
 - e. Provisional coverage
 - f. Coronal polishing

Skills Demonstrations

Demonstrate the proper use of instruments, equipment, safety protocols and correct clinical procedures of dental radiography through the use of mannequins and typodonts.

Other assignments (if applicable)

1. A minimum of 2 hours per week outside of regular class doing the following:
 - a. Independent study of the reading material covered during lecture

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. Louis, Missouri Elsevier Saunders.

Distance Education Addendum

Definitions

Distance Education Modalities

Hybrid (51%–99% 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 (51%–99% online) Modality:

Method of Instruction	Document typical activities or assignments for each method of instruction
Video Conferencing	Didactic instruction will include lectures with Powerpoint presentations. Supplemental lecture material will be provided via the online portal. Students will receive online exercises and quizzes through the online portal

Examinations

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

CCC000459304

DOE/accreditation approval date

MM/DD/YYYY