

DA R015: DENTAL SPECIALTIES FOR DENTAL ASSISTING

Originator

aderdiarian

Co-Contributor(s)
Name(s)

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College

Oxnard College

Discipline (CB01A)

DA - Dental Assistant

Course Number (CB01B)

R015

Course Title (CB02)

Dental Specialties for Dental Assisting

Banner/Short Title

Dental Specialties for DA

Credit Type

Credit

Start Term

Fall 2021

Catalog Course Description

This course provides instruction in assisting and instrumentation for the following specialties in dentistry: orthodontics, endodontics, periodontics, removable prosthodontics, pediatric dentistry and oral maxillofacial surgery, and assisting in the administration of nitrous oxide.

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**

70

Total Maximum Student Learning Hours

70

Minimum Units (CB07)

2

Maximum Units (CB06)

2

Corequisites

DA R010 and R011 and DA R012 and DA R013 and and DA R014

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 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 R013

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

Student Learning Outcomes (CSLOs)**Upon satisfactory completion of the course, students will be able to:**

- | | |
|---|--|
| 1 | Identify the proper steps in the use of retraction cord before taking a final impression |
| 2 | Identify differences between the specialties in dentistry: orthodontics, endodontics, periodontics, prosthodontics, pediatric dentistry, and oral maxillofacial surgery. |

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

- | | |
|----|--|
| 1 | List indications and contraindications for a fixed prosthesis |
| 2 | Identify the steps for a diagnostic workup |
| 3 | Identify the role of the dental technician |
| 4 | Describe the differences among full crowns, inlays, onlays and veneers |
| 5 | Identify the components of a fixed bridge |
| 6 | Describe the use of porcelain for fixed Prosthodontics |
| 7 | Discuss the use of core-build-up pins, and post in crown retention |
| 8 | Describe the use of retraction cord before taking a final impression |
| 9 | Identify home care instructions for a permanent fixed bridge |
| 10 | Discuss the indications for provisional coverage for a crown or fixed bridge |
| 11 | Describe the types pf provisional coverage |
| 12 | Discuss the dental assist's role in making a crown or bridge |
| 13 | Differentiate between a partial and a denture |
| 14 | Discuss the steps in the construction of a denture and a partial |
| 15 | Identify home care instructions for a removable and full denture |
| 16 | Identify the process of relining or repairing a partial or full denture |
| 17 | Identify the instruments used in oral surgery |
| 18 | Discuss the indications for dental implants |
| 19 | Describe the selection of patients to receive dental implants |
| 20 | Describe the diagnostic testing performed for endodontic diagnosis |
| 21 | List the type of endodontic procedures |
| 22 | Describe surgical endodontics and how it affects treatment |
| 23 | Describe the role of the dental assistant in periodontics |
| 24 | Describe the role of radiographs in periodontal treatment |

- 25 Discuss the role of an oral surgery assistant
- 26 Discuss the complications from surgery

Course Content

Lecture/Course Content

1. Orthodontics
 - a. Demonstrate positive identification of malocclusions
 - b. Identify, use and prepare set-ups for orthodontic instruments
 - c. Sterilize orthodontic instruments
 - d. Obtain intra-oral impressions on a classmate
 - e. Pour and trim orthodontic casts
 - f. Perform RDA orthodontic functions
 - g. List the benefits of orthodontic treatment
 - h. Identify the instruments used in orthodontics
 - i. Demonstrate the role of the dental assistant in an orthodontic setting
2. Periodontics
 - a. Identify classifications of periodontal disease
 - b. Patient education
 - c. Legal and ethical implications
 - d. Identify instruments used for periodontal disease
 - e. Demonstrate periodontal charting
 - f. Sterilize periodontal instruments
 - g. Describe the role of laser in periodontics
 - i. Advantages of laser surgery
 - h. Discuss the rationale for various types of periodontal treatment
 - i. Demonstrate the role of the dental assistant in surgical periodontal treatment
 - ii. Preparing instruments
 - iii. Preparing periodontal dressing
 - iii. Removal of periodontal dressing
 - j. Identify the instruments used in periodontics
 - i. Surgical procedures
 - ii. Nonsurgical procedures
3. Endodontics
 - a. Discuss the indications and contraindications for endodontic treatment
 - b. List the objective and subjective symptoms of pulpal pathos's
 - c. Describe the steps in endodontic treatment
 - d. Describe the role of the chairside assistant in endodontics
 - e. Identify the instruments and accessories used in oral surgery
 - f. Describe the various surgical procedures of endodontics
 - g. Patient education
4. Oral and Maxillofacial Surgery
 - a. Describe the scope of treatment of oral and maxillofacial treatment
 - b. Describe the referral process of a patient from a general dentist to the oral surgeon
 - c. Identify the instruments and contraindications for oral surgery
 - d. Demonstrate the role of the chairside assistant during oral surgery
5. Pediatric Dentistry
 - a. Describe the specialty of pediatric dentistry
 - b. Role play with classmates, demonstrating behavior patterns of patients and parents
 - c. Assist in the placement of occlusal sealant
 - d. Distinguish the difference between subjective and objective fear
 - e. Demonstrate the role of a chairside assistant in a pediatric practice
6. Prosthodontics
 - a. Demonstrate the role of a chairside assistant in fixed prosthodontics
 - b. Describe the overview of a crown procedure
 - c. Describe the overview of a bridge procedure
 - d. Demonstrate the ability to prepare provisional for all types of procedures

- e. Identify the instruments used for all phases of fixed prosthodontics
- f. Describe the influencing factors in determining fixed versus removable
- g. List the different type of removable appliances
- h. Define the indications for an implant and the factors determining an implant versus a fixed or removable appliance
 - i. List the types of dental implants
 - j. Patient procedure
- k. Demonstrate the role of a chairside in assisting with an implant procedure
 - l. Describe the plan care
 - i. Inlays and Onlays
 - ii. Veneers
 - iii. Crowns
 - iv. Fixed bridges
- 7. Assisting with the Administration of Nitrous Oxide
 - a. Describe the action of nitrous oxide
 - b. Describe the “fail safe” system
 - c. List the indications and contraindications for analgesia
 - d. Describe the role of the RDA in assisting with nitrous oxide

Laboratory or Activity Content

1. Students will learn to identify instruments and their functions for each of the dental specialties; orthodontics, endodontics, periodontics, prosthodontics, pediatric dentistry and oral and maxillofacial surgery.
2. Students will demonstrate the ability to assist in procedures related to the fields of dental specialties.
3. Students will demonstrate the steps of specialty procedures and show that they are able to anticipate the needs of the specialist.
4. Students will demonstrate the ability to assist in the administration of Nitrous Oxide sedation.
5. Observations of specialty procedures in private specialty practices are required.
6. A visit to a dental laboratory to see the fabrication of dental prosthodontics will also be required.

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
 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):

Clinical demonstration
 Essay exams
 Essays
 Group projects
 Individual projects
 Laboratory activities
 Objective exams
 Oral presentations
 Projects
 Problem-Solving Assignments
 Problem-solving exams
 Quizzes
 Research papers
 Skills demonstrations
 Skill tests
 Simulations
 Treatment plans

Instructional Methodology

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

Audio-visual presentations
 Class activities
 Class discussions
 Distance Education
 Demonstrations

Guest speakers

Lecture

Other (specify)

Specify other method of instruction

Office Observations

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.
- 3) **Class Discussions:** The instructor will encourage participation and learning by facilitating discussions of the course content.
- 4) **Demonstrations:** Instructors will demonstrate procedures, assembly, materials and equipment to the students through live demonstrations or through A/V resources when needed.
- 5) **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.
- 6) **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.
- 7) **Lectures:** The class employs traditional lectures with Powerpoint presentations to present the material, in addition to supplemental lecture material provided through the online portal.
- 8) **Office Observations:** Students will be required to participate in two 6 hour observations of two different dental specialties to reinforce the didactic material.

Representative Course Assignments

Writing Assignments

1. Students are to write a research paper if choice such as: Is there a correlation between periodontal disease and low birth weigh of newborns

Reading Assignments

1. Doni L. Bird, Modern Dental Assisting
 - a. Removable prosthodontics
 - b. Dental Implants
 - c. Endodontics
 - d. Periodontics
 - e. Oral and maxillofacial surgery
 - f. Pediatric dentistry
 - g. Orthodontics

Other assignments (if applicable)

-

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.

Resource Type

Other Resource Type

Description

Models.

Resource Type

Other Resource Type

Description

Handouts.

Resource Type

Other Resource Type

Description

Instrument Cassettes such as: cast prep cassettes, composites cassettes, etc.

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
Other DE (e.g., recorded lectures)	ConferZoom Lectures can be augmented by prerecorded lectures on select subjects, or presentations by guest lecturers.
Other DE (e.g., recorded lectures)	Aspects of Dental Specialties which require the in class lab portion can be augmented by online demonstrations of instruments, equipment and procedures.

Examinations**Hybrid (51%–99% online) Modality**

Online

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

CCC000452599

DOE/accreditation approval date

MM/DD/YYYY