

**DA 63 Course Outline as of Fall 2022****CATALOG INFORMATION**

Dept and Nbr: DA 63 Title: DENTAL SPECIALTIES

Full Title: Dental Specialties

Last Reviewed: 11/22/2021

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	3.00	Lab Scheduled	3.00	17.5	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	5.00		Contact Total	87.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: DNA 66

**Catalog Description:**

In this course, students will learn the theory and practice of assisting and instrumentation in dental specialties. Course emphasizes utilization of assistants in orthodontics, periodontics, pediatrics, and oral maxillofacial surgery and introduces terminology and instruments specifically for each specialty.

**Prerequisites/Corequisites:**

Course Completion of DA 62

**Recommended Preparation:****Limits on Enrollment:**

Acceptance to Allied Dental Program

**Schedule of Classes Information:**

Description: In this course, students will learn the theory and practice of assisting and instrumentation in dental specialties. Course emphasizes utilization of assistants in orthodontics, periodontics, pediatrics, and oral maxillofacial surgery and introduces terminology and instruments specifically for each specialty. (Grade Only)

Prerequisites/Corequisites: Course Completion of DA 62

Recommended:

Limits on Enrollment: Acceptance to Allied Dental Program

Transfer Credit: CSU;

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:

<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
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<b>CSU Transfer:</b>	Transferable	Effective:	Fall 1981	Inactive:
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<b>UC Transfer:</b>		Effective:		Inactive:
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**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

**Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Discuss the responsibilities of the Registered Dental Assistant in dental specialty practices: orthodontics, periodontics, endodontics, oral surgery and pediatric dentistry.
2. Assist the dental specialist utilizing the appropriate tray set-ups, techniques, materials, equipment and general patient care.
3. Implement appropriate protocols related to medical emergencies in the sedated patient.

**Objectives:**

At the conclusion of this course, the student should be able to:

1. Describe the scope of practice of each of the following dental specialties:
  - a. Orthodontics
  - b. Endodontics
  - c. Oral surgery
  - d. Pediatrics
  - e. Periodontology
2. Recognize dental instruments and prepare instrument tray set-ups for all dental specialty procedures.
3. Identify the classifications of malocclusion.
4. Recognize and operate equipment necessary to assist the dentist in a specialty procedure.
5. Describe the indications and contraindications of all the specialty treatment procedures.
6. Recognize and prepare the equipment used in nitrous oxide sedation.
7. Recognize and communicate clearly the level of patient sedation.
8. Recognize medical emergencies as related to patient sedation.
9. Describe the appropriate protocols as relate to medical emergencies in the sedated patient.

**Topics and Scope:**

## I. Orthodontics

- A. Classifications of malocclusion
- B. Orthodontic instruments, materials, equipment and tray set-ups\*
- C. Registered Dental Assistant orthodontic functions\*
- D. Indications and contraindications for orthodontic treatment

## II. Periodontics

- A. Classifications of periodontal disease
- B. Periodontal procedure instruments, materials, equipment and tray set-up\*
- C. Periodontal charting\*
- D. Rationale for various types of periodontal treatment
- E. Role of the RDA in periodontal therapy\*

## III. Endodontics

- A. Indications and contraindications for endodontic treatment
- B. Signs and symptoms of pulpal pathosis
- C. Sequencing of steps in endodontic treatment\*
- D. Endodontic instruments, materials, equipment and tray set-up\*
- E. Role of the RDA in endodontic therapy\*

## IV. Oral and Maxillofacial Surgery

- A. Scope of treatment of oral and maxillofacial treatment
- B. Referral of patients from a general dentist to the oral surgeon
- C. Oral surgery instruments, material, equipment and tray set-up\*
- D. Indications and contraindications for oral surgery
- E. Role of the RDA during oral surgery\*
- F. Role of the RDA in monitoring patient sedation\*

## V. Pediatric Dentistry

- A. Description of the pediatric practice
- B. Behavior patterns of pediatric patients and parents
- C. Pit and fissure sealant placement
- D. Review of common anxieties in pediatric dentistry
- E. Role of an RDA in a pediatric practice

## VI. Administration of Nitrous Oxide Analgesia

- A. Action of nitrous oxide
- B. Equipment
- C. The "fail safe" nitrous oxide system
- D. Indications and contraindications for nitrous oxide analgesia
- E. Role of the RDA in assisting with nitrous oxide
- F. Recognition and implementation of appropriate protocols in medical emergencies as related to patient sedation

## VII. Laboratory Competencies

- A. Electric pulp testing
- B. Dry root canal
- C. Endodontic instruments
- D. Oral Surgery instruments
- E. Electrocardiogram (ECG) monitoring
- F. Pulse oximeter
- G. Suture removal
- H. Periodontal dressing placement and removal
- I. Occlusal and bite relationships
- J. Orthodontic separators

\*These items are introduced in lecture, and the related skill is performed in the lab.

## Assignment:

### Lecture Related Assignments:

1. Reading assignments in text and syllabus (15-25 pages per week)
2. Oral presentation(s) (1-2)
3. Quizzes (7-9)
4. Written midterm and final (competency exams)
5. Participation

### Lab Related Assignments:

1. Competency evaluations (8-10)
2. Class performance(s), role-playing (1-2)
3. Midterm and final (competency exams)

## Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because skill demonstrations are more appropriate for this course.

Writing  
0 - 0%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

None

Problem solving  
0 - 0%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Class performance(s) (role playing), midterm and final (competency exams)

Skill Demonstrations  
30 - 50%

**Exams:** All forms of formal testing, other than skill performance exams.

Competency evaluations, quizzes, written midterm and final (competency exams), lab midterm and final (competency exams)

Exams  
40 - 60%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

Participation, oral presentation(s)

Other Category  
10 - 20%

## Representative Textbooks and Materials:

Modern Dental Assisting. 13th ed. Bird, Doni and Robinson, Debbie. Elsevier. 2021

Instructor prepared materials