

**DA 61 Course Outline as of Spring 2020****CATALOG INFORMATION**

Dept and Nbr: DA 61 Title: INTRO TO CHAIRSIDE D A  
 Full Title: Introduction to Chairside Dental Assisting  
 Last Reviewed: 1/23/2017

| 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         | 8                  | 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 63

**Catalog Description:**

Introduction to the role of the chairside dental assistant, preparing the patient for dental treatment, positioning of the patient, operator, and assistant, for four-handed and six-handed dentistry. Obtaining patient health history and vital signs, treatment planning and data gathering and medical emergencies. Instrument grasps/transfers, triplex syringe use, oral evacuation and retraction. Identification and use of hand instruments, equipment maintenance, tub and tray setups.

**Prerequisites/Corequisites:**

Course Completion or Current Enrollment in DE 50 and DA 60

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

Acceptance to Allied Dental Program

**Schedule of Classes Information:**

Description: Introduction to the role of the chairside dental assistant, preparing the patient for dental treatment, positioning of the patient, operator, and assistant, for four-handed and six-handed dentistry. Obtaining patient health history and vital signs, treatment planning and data

gathering and medical emergencies. Instrument grasps/transfers, triplex syringe use, oral evacuation and retraction. Identification and use of hand instruments, equipment maintenance, tub and tray setups. (Grade Only)

Prerequisites/Corequisites: Course Completion or Current Enrollment in DE 50 and DA 60

Recommended:

Limits on Enrollment: Acceptance to Allied Dental Program

Transfer Credit:

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: |
|---------------|----------------------|------------|-----------|

|                      |            |           |
|----------------------|------------|-----------|
| <b>CSU Transfer:</b> | Effective: | Inactive: |
|----------------------|------------|-----------|

|                     |            |           |
|---------------------|------------|-----------|
| <b>UC Transfer:</b> | Effective: | Inactive: |
|---------------------|------------|-----------|

**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

**Outcomes and Objectives:**

Upon completion of this course, students will be able to:

1. Demonstrate the procedure of taking and recording vital signs and identify normal limits.
2. Describe the types of medical emergencies that may be encountered in a dental office and discuss the role of staff members in preventing and managing these emergencies.
3. Discuss and demonstrate the assistant's role in diagnosis, data gathering, and treatment planning.
4. Identify and demonstrate the use, care, and maintenance of each piece of dental equipment in the treatment room and laboratory.
5. Describe the clock concept of operating zones, explain the uses of each zone and demonstrate positioning of operator, assistant, and patient, for each zone.
6. Identify and state the use and maintenance of hand and rotary instruments commonly used in dental procedures.
7. Demonstrate the exchange of instruments, handpieces, and materials at chairside.
8. Demonstrate and describe the use of preset trays and tubs in organizing dental instruments and materials by procedure.
9. Demonstrate the assembly adjustment and positioning of the High Volume Evacuation (HVE) tip and mirror for retraction, and oral debridement, in each area of the oral cavity.
10. Demonstrate the placement of topical anesthetic ointment prior to an injection of local anesthetic solution on maxillary and mandibular arches.
11. Demonstrate the preparation of an aspirating local anesthetic syringe, cartridge and needle.
12. Describe the characteristics of professional behavior.

**Topics and Scope:**

## I. Medical History

### A. Components

1. review health history\*
2. take vital signs\*
3. knowledge of normal vital signs\*

### B. Application to Dental Procedures

1. use of local anesthetics for medically compromised patient\*
2. medications patient takes daily and possible effects on normal health\*

## II. Medical Emergencies

### A. Emergency procedures\*

1. syncope
2. airway obstruction
3. cardiovascular
4. asthma attack

### B. Prevention

1. scheduling
2. patient position during treatment
3. stress reduction
4. vital signs (baseline and subsequent visits)

## III. The Dental Operator

### A. Equipment, use, and care\*

### B. Seating of patient, operator, and assistant\*

### C. Operating zones\*

### D. Instrument exchange\*

### E. Oral evacuation\*

## IV. Instruments: Identification and Use

### A. Hand instruments\*

### B. Rotary instruments\*

## V. Local Anesthesia

### A. Topical anesthesia placement\*

### B. Assembly of equipment\*

## VI. Professionalism\*

## VII. Laboratory Competencies

### A. Identify laboratory equipment

### B. Operatory set-up

### C. Patient seating and dismissal

### D. Medical/dental history

### E. Vital signs

### F. Hand washing

### G. Place and remove Personal Protective Equipment (PPE)

### H. Topical anesthetic placement and preparation of aspirating syringe

### I. Team member positions and zones of activity

### J. Oral evacuation and air-water syringe use

### K. Cotton roll and dry angle placement

### L. Dental hand instruments and instrument exchange

### M. Dental handpieces, burs and accessories

### N. Instrument recirculation

### O. Operatory reprocessing

### P. Ultrasonic cleaner maintenance

### Q. Emergency protocol

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

### Assignment:

#### Lecture Related Activities:

1. Reading assignments (20-40 pages per week) in texts and course syllabus
2. Quizzes (8-12)
3. Midterm and final written exam

#### Lab Related Activities:

1. Midterm and final performance exams
2. Competencies (16-18)

### 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.

Lab competencies

Skill Demonstrations  
40 - 60%

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

Quizzes, lecture written midterm and final exam, lab midterm and final performance exams

Exams  
40 - 60%

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

None

Other Category  
0 - 0%

### Representative Textbooks and Materials:

Modern Dental Assisting. 11th ed. Bird, Doni and Robinson, Debbie. Elsevier. 2015  
Instructor prepared materials