

**DA 62 Course Outline as of Fall 2019****CATALOG INFORMATION**

Dept and Nbr: DA 62 Title: INTRO DENTAL PROC

Full Title: Introduction to Dental Procedures

Last Reviewed: 9/23/2024

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	4.00	17.5	Lab Scheduled	70.00
		Contact DHR	0		Contact DHR	0
		Contact Total	6.00		Contact Total	105.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 175.00

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 62

**Catalog Description:**

Course focuses on clinical dental assisting skills and responsibilities for the clinical area of the dental office. Covers topical anesthetic placement and the indications and contraindications of use; common medical emergencies in dental offices and protocols for prevention and management; instrument and equipment identification, their use and maintenance; properties of dental materials; restorative procedures that include amalgam, composite and bonding, crown and bridge preparation and delivery, types and care of removable appliances.

**Prerequisites/Corequisites:**

Course Completion or Current Enrollment in DE 51

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

Acceptance to Allied Dental Program

**Schedule of Classes Information:**

Description: Course focuses on clinical dental assisting skills and responsibilities for the clinical area of the dental office. Covers topical anesthetic placement and the indications and contraindications of use; common medical emergencies in dental offices and protocols for

prevention and management; instrument and equipment identification, their use and maintenance; properties of dental materials; restorative procedures that include amalgam, composite and bonding, crown and bridge preparation and delivery, types and care of removable appliances. (Grade Only)

Prerequisites/Corequisites: Course Completion or Current Enrollment in DE 51

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

**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. Demonstrate ability to provide assistance as a chairside dental assistant for dental restorative and preventive procedures.
2. Describe the types of medical emergencies encountered in a dental office and roles staff play in prevention and management.
3. Describe the effects of the oral environment as it pertains to the use of common dental materials used in restorative and preventive dentistry.

### **Objectives:**

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

1. Demonstrate knowledge while assisting for preparation, placement, and finishing of amalgam, composite, and cast restorations.
2. Demonstrate the positioning of the High Volume Evacuation (HVE) tip; mirror for retraction, and full mouth rinsing in each area of the oral cavity.
3. Demonstrate placement of nonaerosol and noncaustic topical anesthetic ointment prior to an injection of local anesthetic solution on a mannequin.
4. Identify and label anesthetic carpules, needles, and syringe and the assembly and disassembly of an aspirating syringe and proper disposal.
5. Identify the uses, indications, and contraindications of the different types of cements in dentistry for medications, bases, luting agents, restorative agents, and build-ups.
6. Identify armamentarium, placement and removal of dental dam during procedures and other isolation devices on a mannequin.
7. Demonstrate knowledge while assisting for the placement and removal of matrices and

- dental wedges during restorative procedures on a mannequin.
8. Describe the requirements for the dental impression material for final impressions.

## **Topics and Scope:**

### **I. Properties Of Dental Materials**

- A. Physical properties
- B. Chemical properties
- C. Factors in selection

### **II. Dental Cements**

- A. Indications and contraindications
- B. Properties
- C. Manipulation\*
- D. Evaluations

### **III. Amalgam Procedure**

- A. Instruments and equipment\*
- B. Sequence and assisting\*
- C. Manipulation of materials\*
- D. Safety precautions\*
- E. Assisting in the placement and removal of the rubber dam\*
- F. Assisting in the placement and removal of the matrix band\*

### **IV. Composite Procedure**

- A. Instruments and equipment\*
- B. Sequence and assisting\*
- C. Manipulation of materials\*
- D. Safety precautions\*

### **V. Crown And Bridge Procedure**

- A. Instruments and equipment\*
- B. Sequence and assisting\*
- C. Manipulation of materials\*
- D. Safety precautions\*

### **VI. Removable Prostheses**

- A. Types of prostheses\*
- B. Sequence and assisting\*
- C. Patient education\*

### **VII. 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)\*

### **VIII. Laboratory Competencies**

- A. Identification of the oral environment/limitations
- B. Dental cements/manipulation and mixing
- C. Matrix retainer, band and wedge
- D. Contoured sectional matrix system
- E. Prepare/assist in rubber dam placement and removal

- F. Assist for composite procedure
- G. Assist for amalgam procedure
- H. Assist for crown and bridge procedure
- I. Manipulate final impression materials
- J. Assist for crown/bridge delivery appointment
- K. Assist during a medical emergency
- L. Removable prosthesis-appointments/homecare/recognition

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

### Assignment:

#### Lecture Related Assignments:

1. Reading assignments (20-40 pages per week) in texts with corresponding workbook exercises and case studies
2. Quizzes (8-12)
3. Midterm and final written exam

#### Lab Related Assignments:

1. Competencies (12-14)
2. Midterm and final performance 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 problem solving assessments and 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.

Workbook exercises and case studies

Problem solving  
10 - 30%

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

Lab competencies

Skill Demonstrations  
50 - 70%

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

Quizzes, lecture midterm and final, lab performance midterm and final

Exams  
20 - 25%

**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. 12th ed. Bird, Doni and Robinson, Debbie. Elsevier. 2018  
Instructor prepared materials