

**DA 62 Course Outline as of Fall 2011****CATALOG INFORMATION**

Dept and Nbr: DA 62 Title: INTRO DENTAL PROC

Full Title: Introduction to Dental Procedures

Last Reviewed: 1/28/2019

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 62

**Catalog Description:**

Introduction to the oral environment, dental materials, and instruction in the properties, characteristics, and manipulation of dental materials. Instrumentation for operative dental procedures, such as composite and amalgam restorations, crown and bridge procedures, veneering and bonding techniques, and preliminary impress technique using a mannequin.

**Prerequisites/Corequisites:**

Course Completion or Concurrent Enrollment in DE 51 and Concurrent Enrollment in DA 61

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

Acceptance to Allied Dental Program

**Schedule of Classes Information:**

Description: Introduction to the oral environment, dental materials, and instruction in the properties, characteristics, and manipulation of dental materials. Instrumentation for operative dental procedures, such as composite and amalgam restorations, crown and bridge procedures, veneering and bonding techniques, and preliminary impress technique using a mannequin.  
(Grade Only)

Prerequisites/Corequisites: Course Completion or Concurrent Enrollment in DE 51 and Concurrent Enrollment in DA 61

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

**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

### **Outcomes and Objectives:**

Upon completion of this course, the student will be able to:

1. Identify and describe how the properties of the oral cavity relate to dental material selection.
2. Identify the uses, indications and contraindications of cements in dentistry for medications, bases, luting agents, restorative agents and build-ups.
3. Explain the advantages and disadvantages of esthetic restorative materials as compared to amalgam restorations.
4. Demonstrate the technique of assembly and assisting during the placement and removal of dental dam and other isolation devices and matrix for restoration on a mannequin
5. Compare the composition, properties, indications and contra-indications of amalgam, composite sealants, and cast restorations in dentistry.
6. Demonstrate assisting during the preparation, placement, and finishing of amalgam, composite and cast restoration and discuss the safety precautions.
7. Describe the requirements for the dental impression material for final impressions.
8. Demonstrate assisting during the initial, try-in and delivery appointment as well as home care responsibilities.

### **Topics and Scope:**

1. Properties of Dental Materials
  - A. Physical properties
  - B. Chemical properties
  - C. Factors in selection
2. Dental Cements
  - A. Indications and contraindications
  - B. Properties

- C. Manipulation
- D. Evaluations
- 3. 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
- 4. Composite Procedure
  - A. Instruments and equipment
  - B. Sequence and assisting
  - C. Manipulation of materials
  - D. Safety precautions
- 5. Crown and bridge Procedure
  - A. Instruments and equipment
  - B. Sequence and assisting
  - C. Manipulation of materials
  - D. Safety precautions
- 6. Removable Protheses
  - A. Types of protheses
  - B. Sequence and assisting
  - C. Patient education

### Assignment:

1. Reading (10-40 pages per week) in texts and course syllabus.
2. Workbook exercises and case studies.
3. Quizzes (6-9).
4. Exams (midterm and final).
5. Class performances, performance exams, lab task evaluations (12-14).

### 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.

Class performances, Performance exams, Lab task evaluations (12-14).

Skill Demonstrations  
50 - 70%

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

Quizzes, Midterm, and Final: Multiple choice, True/false, Matching items, Completion.

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:**

Torres and Ehrlich's Modern Dental Assisting, Bird, D., Robinson, D., 2011, Ed. 10  
Instructor prepared materials