

**DA 62 Course Outline as of Fall 1997****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     | 4.00  | 8            | Lecture Scheduled  | 32.00 |
| Minimum | 3.00 | Lab Scheduled         | 6.00  | 8            | Lab Scheduled      | 48.00 |
|         |      | Contact DHR           | 0     |              | Contact DHR        | 0     |
|         |      | Contact Total         | 10.00 |              | Contact Total      | 80.00 |
|         |      | Non-contact DHR       | 0     |              | Non-contact DHR    | 0     |

Total Out of Class Hours: 64.00

Total Student Learning Hours: 144.00

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:**

Introduction to the oral environment and dental materials; 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. Mannequin instruction in preliminary impression technique.

**Prerequisites/Corequisites:**

Admission to the Dental Assisting Program via application process.

**Recommended Preparation:****Limits on Enrollment:****Schedule of Classes Information:**

Description: Instruction in the properties, characteristics & mixing techniques of dental materials. Instrumentation for operative dental procedures. Mannikin instruction in preliminary impression technique. (Grade Only)

Prerequisites/Corequisites: Admission to the Dental Assisting Program via application process.

Recommended:

Limits on Enrollment:

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:**

1. Identify and describe how the properties of the oral cavity relate to dental material selection.
2. Identify and describe the properties of alginate impression materials.
3. Demonstrate the preparation of trays, mixing of alginate, loading of trays and taking of both maxillary and mandibular alginate impressions on mannikin.
4. Demonstrate the correct mixing, vibrating and pouring of gypsum products for each dental plaster and stone.
5. Identify the uses, indications and contraindications of cements in dentistry for medications, bases, luting agents, restorative agents and build-ups.
6. Explain the advantages and disadvantages of esthetic restorative materials as compared to amalgam restorations.
7. Compare the composition, properties, indications and contraindications of amalgam, composite and cast restorations in dentistry.
8. Demonstrate assisting during the preparation, placement and finishing of amalgam, composite and cast restorations.
9. Describe the requirements for the dental impression material for final impressions.
10. Demonstrate the technique of assembly and assisting during the placement and removal of a dental dam and matrix for Class II restorations on a mannikin.

### **Topics and Scope:**

- I. Properties of Dental Materials
  - A. Physical Properties

- B. Chemical Properties
- C. Factors in Selection
- II Alginate and Gypsum
  - A. Indications
  - B. Properties
  - C. Manipulation
  - D. Criteria
- III. Dental Cements
  - A. Indications and Contraindications
  - B. Properties
  - C. Manipulation
  - D. Criteria
- IV. Amalgam Procedure
  - A. Instruments and Equipment
  - B. Sequence and Assisting
  - C. Manipulation of Materials
  - D. RDA/DA Functions
- V. Composite Procedure
  - A. Instruments and Equipment
  - B. Sequence and Assisting
  - C. Manipulation of Materials
  - D. RDA/DA Functions
- VI. Crown and Bridge Procedure
  - A. Instruments and Equipment
  - B. Sequence and Assisting
  - C. Manipulation of Materials
  - D. RDA/DA Functions

### Assignment:

Reading 5 chapters in texts and course syllabus

### 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.

Homework problems, Lab reports, Quizzes, Exams

Problem solving  
30 - 75%

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

Class performances, Performance exams

Skill Demonstrations  
15 - 50%

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

Multiple choice, True/false, Matching items, Completion

Exams  
10 - 20%

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

None

Other Category  
0 - 0%

**Representative Textbooks and Materials:**

Torres, H. & Ehrlich, A. Modern Dental Assisting. 5th Ed. W.B. Saunders, 1996

Chasteen, J. Essentials of Clinical Dental Assisting. 5th Ed. Mosby, 1996