

# D A 56: DENTAL HEALTH EDUCATION

## Foothill College Course Outline of Record

Heading	Value
<b>Effective Term:</b>	Summer 2021
<b>Units:</b>	1
<b>Hours:</b>	1 lecture per week (12 total per quarter)
<b>Degree &amp; Credit Status:</b>	Degree-Applicable Credit Course
<b>Foothill GE:</b>	Non-GE
<b>Transferable:</b>	CSU
<b>Grade Type:</b>	Letter Grade Only
<b>Repeatability:</b>	Not Repeatable

## Student Learning Outcomes

- The student will evaluate the oral hygiene status of a patient and choose an appropriate course of action and assist the patient in achieving optimal oral hygiene. A case study scenario must be evaluated by the student and select the appropriate course of action.
- The student will be able to evaluate new oral hygiene techniques and products using credible resources and evidence based dentistry. A supplemental aid product will be researched, presented and demonstrated with 75% accuracy.

## Description

Principles of patient motivation and education; etiology, process and prevention of dental decay and periodontal disease; design and management of a plaque control program, brushing, flossing, adjunctive aids; dietary counseling for caries risk. Intended for students in the Dental Assisting Program; enrollment is limited to students accepted in the program.

## Course Objectives

The student will be able to:

### A. Dental Assisting Theory and Practice

1. describe the oral and written teaching-learning processes used in motivating the dental patient.
2. describe, in lay terms, the process of dental decay, periodontal disease and the methods of prevention.
3. explain the formation of soft and hard deposits on the tooth surfaces.
4. describe and demonstrate the various accepted methods of tooth brushing.
5. describe and demonstrate the accepted methods of interdental aids or other oral hygiene techniques.
6. describe clinical adaptations of flossing and brushing techniques.
7. identify the appropriate oral hygiene aids for restorative and prosthetic restorations.
8. list and describe the types of anti-cariogenic agents used in dentistry.
9. describe the advantages, disadvantages and systemic effects of all types of fluoride in the control of dental diseases.
10. explain the importance of dietary analysis in relationship to tooth decay.
11. describe caries risk assessment management system.

### B. Infection Control and Hazardous Waste Management

1. demonstrate how to avoid cross contamination when giving oral hygiene instructions to a patient.

### C. Ethical and Legal Principles

1. list and describe the accepted methods of chairside oral instruction which can be utilized to reach dental patients of various educational or socioeconomic levels.

2. recognize appropriate documentation of patient compliance or non-compliance in the treatment records.

### D. Dental Assisting Program Competencies

1. Dental Assisting Theory and Practice: dental assisting students must be competent in applying the theory and practice of dental assisting for persons of all ages and abilities.

2. Infection Control and Hazardous Waste Management: dental assistants must possess the knowledge and abilities to prevent the transmission of infectious diseases.

3. Ethical and Legal Principles: dental assisting students must be competent in understanding ethical/legal principles as applied to the dental office.

## Course Content

A. Oral and written teaching-learning processes used in motivating the dental patient

1. Motivation
2. Learning ladder
  - a. Direct observation
  - b. Demonstration
  - c. Immediate feedback
  - d. Positive reinforcement
  - e. Evaluation and follow-up
3. Age factor

B. Process of dental decay, periodontal disease and the methods of prevention

1. Caries process
2. Gingivitis
3. Periodontitis
4. Plaque control theory
5. Disclosing
6. Prescription and over-the-counter antimicrobial agents

C. Formation of soft and hard deposits on the tooth surfaces

1. Dental pellicle
  2. Dental plaque
  3. Calculus
- D. Accepted methods of tooth brushing
1. Manual toothbrushes
  2. Powered toothbrushes
  3. Brushing techniques

E. Accepted methods of interdental aids or other oral hygiene techniques

1. Dental floss
2. Tongue cleaners
3. Interdental brushes
4. Rubber tip stimulator/Stimudents/Perio-Aid
5. Oral irrigation
6. End tuft toothbrush
7. Orthodontic brush

F. Clinical adaptations of flossing and brushing techniques

1. Children
2. Intellectually handicapped
3. Physically handicapped
4. Xerostomia

G. Oral hygiene aids for restorative and prosthetic restorations

1. Superfloss
2. Gauze/yarn
3. Floss threaders
4. Floss devices
5. Denture brush
6. Partial and denture care
- H. Anti-cariogenic agents used in dentistry
  1. Prescription and over-the-counter fluoridated toothpastes
  2. Prescription and over-the-counter fluoridated mouthrinses
    - I. Fluoride
      1. Advantages
      2. Disadvantages
      3. Systemic effects
      4. Recommended fluoride doses
      5. Fluoride products
    - J. Dietary analysis in relationship to tooth decay
      1. Dietary sources that promote tooth decay
      2. Relationship of bacteria to tooth decay
    - K. Describe caries risk assessment management system
      1. Saliva and bacterial testing
      2. Caries risk assessment form
      3. Determining caries risk
      4. Preventive procedures
    - L. Infection Control and Hazardous Waste Management
      1. Infection control and oral hygiene instruction
        - a. Personal protective equipment
        - b. Patient instruction
    - M. Ethical and Legal Principles
      1. Appropriate documentation of patient compliance or non-compliance in the treatment records
        - a. Writing in the treatment record
        - b. Risk management and documentation

## Lab Content

Not applicable.

## Special Facilities and/or Equipment

None.

## Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

Quizzes

Midterm and final exam

Assignments

Supplemental aid presentation and report

## Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

Lecture

Discussion

Cooperative learning exercises

Oral presentations

Demonstration

Field trips

## Representative Text(s) and Other Materials

Bird, D.L., and D.S. Robinson. Modern Dental Assisting, 12th ed.. 2018.

Bird, D.L., and D.S. Robinson. Student Workbook to Accompany Modern Dental Assisting, 12th ed.. 2018.

## Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

A. Supplemental aid report

B. Read two chapters and do workbook assignments in textbook

C. Read and take online test for online continuing education at Proctor and Gamble educational website for Caries Risk Assessment

D. Attend a dental health fair and submit a paper following the fair

E. Keep a reflection journal

## Discipline(s)

Dental Technology