

D A 65: DENTAL ASSISTING APPRENTICESHIP CLINICAL SKILLS I

Foothill College Course Outline of Record

Heading	Value
Effective Term:	Fall 2021
Units:	2
Hours:	1 lecture, 4 laboratory per week (60 total per quarter)
Degree & Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Student Learning Outcomes

- 100% of the students will be able to successfully assemble a Tofflemire retainer with a matrix band
- 100% of the students will be able to successfully assemble and disassemble a local anesthetic syringe

Description

Preparation for apprenticeship in a dental environment. Includes sexual harassment and diversity training. Introduction to chairside assisting skills; use and care of dental equipment, instrument identification; overview of common dental procedures such as patient intake, patient assessments, examination and prophylaxis appointments. Intended for students in the Dental Assisting Apprenticeship Program; enrollment is limited to students accepted in the program.

Course Objectives

The student will be able to:

1. Identify and react appropriately to sexual harassment situations in the workplace
2. Demonstrate an understanding of cultural diversity and the importance of cultural competence
3. Identify all parts and functions of a standard dental treatment room
4. Don and doff appropriate personal protective equipment when performing dental assisting duties
5. Perform set-up and breakdown of the dental unit using recommended infection control standards
6. Demonstrate proper positioning of the patient, the operator, and the assistant
7. Define a medical/dental history and identify contradictions or precautions for elective dental treatment
8. Accurately take and record an adult patient's vital signs without assistance
9. Describe and chart G.V. Black's classification for cavities and restorations
10. Identify and describe common dental restorations

11. Describe findings other than dental restorations found in the oral cavity
12. Describe a restorative dental chart form
13. Describe common periodontal assessments which are performed by the dental hygienist or dentist
14. Describe basic/exam, local anesthesia, rubber dam, matrix band and wedge, and dental prophylaxis procedures
15. Prepare tray set-ups for basic/exam, local anesthesia, rubber dam, matrix band and wedge, and dental prophylaxis procedures
16. Transfer instruments using the 4-handed technique to an operator
17. Apply and remove a rubber dam, in any specific region
18. Place the matrix band on the tooth and place necessary wedges to assure confinement of the filling material and adaptation to marginal areas
19. Perform high volume evacuation on a manikin and patient-partner to effectively remove oral fluids during dental procedures

Course Content

1. Identify and react appropriately to sexual harassment situations in the workplace
 - a. Overview of the laws and policies at the state and federal level
 - b. Meaning of sexual harassment
 - c. Proactive approach to respond and manage sexual harassment
 - d. Manage reactions and behaviors
 - e. Employees rights and manager's responsibilities
2. Demonstrate an understanding of cultural diversity and the importance of cultural competence
 - a. Characteristics of cultural competency
 - b. Assess biases, stereotypes, and levels of cultural competence
 - c. Health disparities of diverse populations
 - d. Cultural communication
 - e. Cultural competency strategies
3. Identify all parts and functions of a standard dental treatment room
 - a. Dental equipment and maintenance
 - b. Operation and identification of equipment
4. Don and doff appropriate personal protective equipment when performing dental assisting duties
 - a. Order of donning and doffing
 - i. Protective clothing
 - ii. Mask or respirator
 - iii. Gloves
 1. Handwashing and hand sanitizer use
 - iv. Protective eyewear and/or face shield
 - v. Headcover
5. Perform set-up and breakdown of the dental unit using recommended infection control standards
 - a. Beginning of day procedures
 - i. Turn on vacuum system
 - b. Set-up of treatment room
 - i. Flush water and suction lines
 - ii. Place barriers and disposable items
 - iii. Prepare unit for patient arrival
 - iv. Escorting patient to and from dental unit
 1. Preparing unit for safe seating and dismissal of patient
 - c. Break-down

- i. Transferring contaminated instruments to sterilization area
 - ii. Sharps and hazardous waste disposal
 - iii. Disposal of barriers
 - iv. Avoiding cross contamination
 - d. End of day procedures
 - i. Turn off vacuum system
 - 6. Demonstrate proper positioning of the patient, the operator, and the assistant
 - a. Ergonomics
 - b. Right and left handed operators
 - c. Zones using clock concept
 - 7. Define a medical/dental history and identify contradictions or precautions for elective dental treatment
 - a. Contradictions and precautions
 - b. Prophylactic antibiotic premedication
 - i. Indications
 - ii. Preferred antibiotic, dosage, and timing
 - iii. Alternatives for antibiotic allergies or complications
 - 8. Accurately take and record an adult patient's vital signs without assistance
 - a. Types of vital signs
 - b. Armamentarium
 - c. Respiration
 - i. Procedure
 - ii. Blood pressure
 - 1. Procedure
 - 9. Describe and chart G.V. Black's classification for cavities and restorations
 - a. Classifications
 - i. Caries
 - ii. Restorations
 - b. Line angle and point angles
 - 10. Identify and describe common dental restorations
 - 11. Describe findings other than dental restorations found in the oral cavity
 - a. Common abbreviations
 - 12. Describe a restorative dental chart form
 - 13. Describe common periodontal assessments which are performed by the dental hygienist or dentist
 - a. Periodontal charting conditions
 - b. Common abbreviations
 - 14. Describe common dental procedures
 - a. Basic/exam tray
 - b. Local anesthesia
 - c. Rubber dam, matrix band, and wedge
 - d. Dental prophylaxis
 - 15. Prepare tray set-ups for common dental procedures
 - a. Basic/exam tray
 - i. Armamentarium and disposable products
 - b. Local anesthesia set-up
 - i. Topical anesthetic
 - 1. Types of topical anesthetics
 - 2. Armamentarium and disposable products
 - ii. Local anesthesia
 - 1. Types of local anesthetic solutions
 - a. Contraindications
 - 2. Armamentarium and disposable products
 - 3. Set-up and break-down of local anesthetic syringe
 - 4. Safety precautions
 - a. Sharps container
 - b. Recapping techniques
 - c. Needlestick protocol
 - 5. Types of injections
 - a. Injection sites
 - iii. Rubber dam, matrix band, and wedge
 - 1. Armamentarium and disposable products
 - iv. Dental prophylaxis
 - 1. Deposits on the teeth
 - 2. Gingivitis and periodontal disease
 - 3. Types of non-surgical periodontal procedures
 - 4. Armamentarium and disposable products for routine prophylaxis
16. Transfer instruments using the 4-handed technique to an operator
 - a. Instrument grasp
 - b. One-handed and two-handed transfer
 - c. Exam/basic tray
 - d. Prophylaxis tray
 - e. Rubber dam tray
17. Apply and remove a rubber dam, in any specific region
 - a. Types of rubber dam and frames
 - b. Placement and removal
18. Place the matrix band on the tooth and place necessary wedges to assure confinement of the filling material and adaptation to marginal areas
 - a. Types of matrices
 - b. Placement and removal
19. Perform high volume evacuation on a manikin and patient-partner to effectively remove oral fluids during dental procedures
 - a. Types of high volume evacuator tips
 - b. Evacuator tip placement

Lab Content

1. Clinic equipment identification
2. Handwashing and PPE
3. Infection control set-up and break-down in clinic
4. Patient/operator positioning in clinic
5. Take and record vital signs
6. Basic tray set-up
7. Instrument transfer in clinic
8. Local anesthesia syringe set-up
9. Rubber dam on typodont
10. Rubber dam in clinic
11. Prophylaxis tray set-up
12. Matrix band and wedge(s)
13. Oral evacuation

Special Facilities and/or Equipment

1. Dental clinic
2. Patient dental chair with bracket table
3. Operator and assistant stools

4. Sinks
5. Steam autoclave
6. Miele dishwasher/disinfectant
7. Dental vibrator
8. Dental manikin

Method(s) of Evaluation

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

Exams
Lab competencies
Lab quizzes
Assignments
Projects

Method(s) of Instruction

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

Lecture
Discussion
Cooperative learning exercises
Laboratory
Demonstration
Internship/preceptorship

Representative Text(s) and Other Materials

Bird, DL, and DS Robinson. Modern Dental Assisting. 2021.

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

This course requires reading of textbook chapters and completing short answers for worksheets related to the required reading.

Discipline(s)

Dental Technology