

DA A125: EXPANDED FUNCTIONS

Item	Value
Curriculum Committee Approval Date	02/12/2025
Top Code	124010 - Dental Assistant
Units	2 Total Units
Hours	72 Total Hours (Lecture Hours 18; Lab Hours 54)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	Yes
Basic Skills	Not Basic Skills (N)
Repeatable	No
Open Entry/Open Exit	No
Grading Policy	Standard Letter (S)

Course Description

Emphasis on expanded functions for the registered dental assistant. Laboratory practice and preclinical evaluations. Students will practice mock written testing in preparation for state licensing board examinations. PREREQUISITE: DA A110 and DA A120. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Demonstrate minimum competency levels in all laboratory, preclinical and clinical skills.
2. Complete a simulated Registered Dental Assistant written and practical exam with a passing score of 75% or better.

Course Objectives

- 1. Fabricate, adjust, cement and remove indirect provisional restorations, including stainless steel crowns when used as a provisional restoration on a typodont.
- 2. Demonstrate placing bases and liners on a typodont.
- 3. Demonstrate competency of 75% or better on the mock RDA written
- 4. Scan a model using CAD/CAM Digital Scanner
- 5. Competently take prescribed extra oral photographs using digital extra oral camera
- 6. Fabricate a crown using Cerec Primemill and speedfire unit

Lecture Content

Provisional Restorations Types Direct and Indirect provisional restorations, including Acrylic, Metal and Stainless steel crowns, digital scanned impression Class II Temporary Sedative dressing/filling Function Armamentaria for provisional restorations Procedure for Construction, Application and Removal Indications and Contraindications Patient Education Evaluation Bases and Liners Characteristics/Types Calcium Hydroxide Varnish Insulating base Sedative base Bonding Agents Light cured Bases Armamentaria for Each Type Procedures for Mixing and Application of Each Type RDA Exam Written Practical Evaluation

Dental Practice Act and Law and Ethics DA/RDA Duties and OAP/DSAP Categories CEU and License Renewal Regulations Effecting Assisting

Lab Content

Provisional indirect restorations Fabricate, adjust, cement and remove indirect provisional restorations, including stainless steel, metal and acrylic crowns when used as a provisional restoration, scan a model to make digital impression with CAD/CAM iTero Scanner. Fabricate crown using Cerec Armamentaria for provisional restorations Procedure for construction, application and removal Indications and Contraindications Patient Education Evaluation Temporary Sedative Fillings Function Armamentaria Procedure for construction, application and removal Indications and Contraindications Patient Education Evaluation Bases and Liners Characteristics and Types Calcium Hydroxide and Liner materials Varnish Insulating Base Sedative Base Light cured Base Bonding agents Armamentaria for each type Procedure for construction and application Indications and Contraindications Patient Education Evaluation Digital Impression on I-Tero Scanner and Fabrication on Cerec Prime Mill Scan for indirect restoration Complete fabrication of Cerec crown using Prime Mill Stain, Glaze, Polish and Fire Crown Understand bnding of Cerec crown

Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)
- Lab (04)
- DE Live Online Lab (04S)

Instructional Techniques

1. Theory:
 - a. Lecture/discussion
 - b. Audio visual aids/Digital presentations
 - c. Laboratory Demonstration and Instructor evaluation
 - d. RDA skills and manipulation of materials and instruments
2. Exams/quizzes
3. Mock RDA written exam and expanded functions skill testing

Reading Assignments

Students will read assigned textbook chapters, PPT, student workbook questions for review and laboratory procedure assignments, as well as content handouts as deemed necessary by instructor. Approximately 3 hours a week is necessary to complete reading assignments.

Writing Assignments

1. Students will complete evaluations on their laboratory work and perform peer evaluations on lab assignments prior to instructor evaluations
2. Keep written lab manual assignments on all laboratory procedures
3. Complete simulated written patient case studies as assigned
4. Approximately 2 hours a week is necessary to complete writing assignments.

Out-of-class Assignments

Read assigned texts, complete worksheets, view assigned supplemental videos/DVD's, handouts provided by instructor, and review for exams. Approximately 2 hours a week is necessary to complete any out-of-class assignments.

Demonstration of Critical Thinking

1. Theory, written exams, and assignments
 - a. Laboratory: Achievement of laboratory objectives will be measured by laboratory evaluation tools received by students.
 - b. A clinical mock RDA examination will be given using the Dental Board of California Committee on Dental Auxiliaries established criteria.
3. Grading
 - a. A mastery

level 75% of laboratory and lecture must be achieved in order to pass course with a minimum grade of C.

Required Writing, Problem Solving, Skills Demonstration

1. Students will complete evaluations on their laboratory work and perform peer evaluations on lab assignments. 2. Keep written lab manual on all clinical procedures. 3. Complete written patient case studies as assigned. 4. Students will scan a model for practice with the CAD Itero scanner.

Eligible Disciplines

Dental technology (dental assisting, dental hygiene): Any bachelor's degree and two years of professional experience, or any associate degree and six years of professional experience.

Textbooks Resources

1. Required Bird, Doni and Robinson, Debbie. Modern Dental Assisting , Latest ed. Missouri: Elsevier Saunders, 2024 2. Required Bird, Doni and Robinson, Debbie . Modern Dental Assisting Student Workbook , Latest ed. Missouri: Elsevier Saunders, 2024 3. Required Boyd Bartolomucci, Linda R. . Dental Instruments A Pocket Guide. , Latest ed. Missouri: Elsevier Saunders, 2024