

DA A115: CHAIRSIDE TECHNIQUES 2

Item	Value
Curriculum Committee Approval Date	03/13/2019
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
Grading Policy	Standard Letter (S)

Course Description

This is a continuation of DA A110 Chairside Techniques 1 with an emphasis on dental specialties, and application of coronal polish for state certification. PREREQUISITE: DA A110. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Apply the principles of chairside assisting and OSHA mandated infection control protocols to the associated dental specialty procedures to perform competently in those areas of patient care.
2. Perform coronal polishing procedure according to state standards and pass written examination for certification.
3. Apply the principles of dental specialties in oral surgery, orthodontics, pedodontics, periodontics, and endodontics to perform competently in those areas of patient care.

Course Objectives

- 1. List and describe procedures of veneers, crown and bridge techniques and demonstrate the ability to assist the dentist in these procedures.
- 2. List and describe the various procedures used in removable prosthodontics and demonstrate the ability to assist in these procedures.
- 3. Describe the type of dental implants procedures for dental implants and ideal candidates for implants.
- 4. Explain the various procedures of endodontics procedures and identify the instruments used in those procedures.
- 5. Identify and select the correct instruments for different oral surgery procedures and assisting with these procedures.
- 6. Select and arrange armamentarium used in pedodontics for pulp capping, pulpotomy, and pulpectomy procedures in pedodontics and demonstrate the correct assisting procedures.
- 7. Demonstrate and explain the psychology in dealing with a child with behavior problems in the dental office.
- 8. Select and arrange the correct armamentarium used in periodontics.
- 9. Demonstrate knowledge of the various procedures used in orthodontics and demonstrate the ability to assist in these procedures and take facebow transfers including bite registrations.

- 10. List the clinical indicators and contra-indicators for coronal polishing, commonly used abrasive agents, and steps in effective coronal polishing procedure. Select and assemble coronal polishing armamentarium for clinical patients.
- 11. Perform coronal polishing to clinical proficiency based on State standards for certification.
- 12. Describe and demonstrate topical fluoride application to clinical proficiency.
- 13. Demonstrate cleaning and polishing of prosthetic appliances.
- 14. Demonstrate adjustment of dentures extra-orally
- 15. Demonstrate placement and removal of orthodontic separators on a typodont.
- 16. Demonstrate placement and removal of ligature ties and arch wires on a typodont.
- 17. Demonstrate the application of facebow transfer and measurements with associated bite registration.
- 18. Explain and describe the electrosurgery procedure utilized in fixed prosthodontics.
- 19. Adjust removable prosthodontics i.e. dentures and partials extra-orally.

Lecture Content

Prosthodontics Fixed Indications/contraindications Types of crown preparations Full veneer Pin retention full crown Full cast Onlay Dowel post/core Porcelain fused to metal Porcelain jacket crown Laboratory Tray set ups Fixed bridge preparation Only lay/inlay Porcelain crown preparation Cementation Prosthodontics, continued Electrosurge/tissue reaction Removable Prosthodontics Extra and intraoral considerations Indications/contraindications Components for partial dentures Saddle Framework Bar Clasp Rest Connection Teeth cleaning and polishing of prosthetic appliances Laboratory Design appointment formats for removal appliance Full dentures Partials Tray set ups Patient instructions Laboratory prescriptions Adjust dentures extra-orally Implants Candidates Types Procedure Endodontics Introduction Diagnostic aids Laboratory tray set-ups Root canal Apicoectomy Drying canals Endodontic culturing Identification of: Reamers Files -K files, Hedstrom, reamers Broaches Pluggers Spreaders Canal sealants Sterilization Oral Surgery Practical Application laboratory Student Performance: Student will: apply topical fluoride on a patient to clinical proficiency level of 90%

Lab Content

Fixed Prosthodontics: 1. Tray Set ups a. fixed bridge preparation b. onlay/inlay c. porcelain crown preparation d. cementation of fixed prosthodontics e. electrosurgery and tissue retraction f. obtain intraoral images for computer-aided design (CAD) 2. Removable Prosthodontics a. Design appointment formats for removable appliances 1. full dentures 2. partial dentures b. Tray set ups c. adjust dentures extra-orally d. patient instructions e. laboratory prescriptions 3. Implants a. candidates b. different types of implants c. implant procedure 4. Endodontics a. root canal procedure b. pulp vitality testing and recordings of findings c. identifications of: 1. reamers 2. k-files, Hedstrom files, broaches. 3. pluggers 4. spreaders 5. canal sealers 6. sterilization 5. Oral surgery a. surgical instrumentation identification b. instrument exchange c. tray set ups e. Post operative 1. patient recovery 2. medication f. post extraction dressings g. sedative dressings h.

post operative instructions i. place post extraction dressings after inspection of the surgical site by the supervising dentist j. remove post extraction dressings after inspection of the surgical site by the supervising

6. Pedodontics a. Tray set-ups 1. operative 2. pulp capping 3. pulpotomy 4. fracture care 5. re-implantation of avulsed teeth

7. Periodontics a. Instrument identification b. tray set ups 1. curettage 2. gingivectomy 3. periodontal osseous surgery 4. grafts 5. place and remove periodontal dressing

8. Orthodontics a. identification of instruments b. identification of malocclusions classifications c. Orthodontic Procedures ;1. place and remove separators 2. place and remove ligature ties and archwires 3. examine orthodontic appliances 4. after adjustment by the dentist, examine and seat removable orthodontic appliances and deliver care instructions to the patient. 5. perform measurements for the purpose of orthodontic treatment. 6. cure restorative or orthodontic materials in operative site with light curing device 7. remove orthodontic bands 8. take facebow transfer and bite registrations

C. Coronal Polishing 1. Disclosing Plaque 2. Proper hand placement and fulcrum 3. Proper instrumentation and polishing techniques 4. Armamentarium

5. Perform coronal polish procedure on 3 patients and evaluation

D. Mouth-mirror inspection 1. Intraoral and Extraoral inspection 2. Charting

E. Topical fluoride 1. Apply topical fluoride 2. Armamentarium 3. Perform procedure on student partner

Method(s) of Instruction

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

Instructional Techniques

Lecture and demonstration Laboratory with manikin application Video and Digital presentations Worksheet/student workbook Reading and written assignments to include computer generated assignments

Reading Assignments

Textbook chapter assignments Laboratory and clinical assignments

Writing Assignments

Student workbook assignments

Out-of-class Assignments

Student workbook assignments, review for tests and lab skill competencies.

Demonstration of Critical Thinking

1. Theory: quizzes and exams 2. Laboratory skills a. Achievement of laboratory objectives will be by laboratory evaluation sheets given to students. b. A clinical examination will be based on written criteria and expected competency levels of 75%. 3. Grading: A mastery level 75% of theory and laboratory must be achieved in order to pass course with minimum grade of C.

Eligible Disciplines

Dental technology (dental assisting, dental hygiene): Any bachelors 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, 2014 2. Required Bird, Doni and Robinson, Debbie . Modern Dental Assisting Student Workbook , latest ed. Missouri: Elsevier Saunders, 2014 3. Required Boyd Bartolomucci, Linda R. . Dental Instruments A Pocket Guide. , latest ed. Missouri: Elsevier Saunders, 2014

Required Writing, Problem Solving, Skills Demonstration

Required writing as assigned in lecture and lab portion of course Demonstration of patient care skills with expected competency level of minimum 75%