COMMON COURSE OUTLINE: Course discipline/number/title: DA 1260: Chairside Assisting II

A. CATALOG DESCRIPTION
1. Credits: 4
2. Hours/Week: 2 hours lecture, 4 hours lab
3. Prerequisites (Course discipline/number): DA Program admission
4. Co-requisites (Course discipline/number): None
5. MnTC Goals (if any): NA

This course will introduce the student to basic concepts of assisting for each of the dental specialties: to include, Pediatric Dentistry, Fixed Prosthodontics, Removable Prosthodontics, Removable Prosthodontics, Endodontics, Oral and Maxillo-Facial Surgery, Periodontics, Orthodontics, and Public Health (Community) Dentistry. For each specialty, the student will learn terminology, treatment techniques, instrument set-ups, procedural order, and patient pre-operative and post-operative instructions.

For Public Health Dentistry, students will actively plan and deliver dental care presentations for a variety of community groups.

B. DATE LAST REVISED (Month, year): April, 2012

C. OUTLINE OF MAJOR CONTENT AREAS:
1. Public Health Dentistry
   a) Introduction
   b) The Unique Needs of Various Dental Patients/Audiences
   c) Dental Education Programs/Presentations
   d) Dental Education Resources
   e) Selecting Appropriate Audiovisual Aides
   f) Preparing and Delivering Community Dental Education Programs

2. Pediatric Dentistry
   a) Introduction and Terminology
   b) Behavior Characteristics of Children
   c) Pediatric Patient Management
   d) Pain/anxiety Control
   e) Children Patient’s With Special Needs
   f) Clinical procedures: Armamentarium, Procedural Steps and Patient Instructions
      i. Exam
      ii. Coronal Polish
      iii. Use of Fluoride
      iv. Personal Oral Hygiene Instruction
      v. Pit and Fissure Sealants
      vi. Operative Dentistry
      vii. Amalgams
      viii. Composites
      ix. Stainless Steel Crowns
      x. Traumatic Injuries
      xi. Pulp Therapies
      xii. Mouth Guards
      xiii. Splinting
      xiv. Orthodontic Procedures
      xv. Oral Surgery Procedures

3. Fixed Prosthodontics
   a) Introduction and Terminology
   b) Types of Fixed Prostheses
   c) Components of Prostheses
   d) materials for Fixed prostheses
   e) Abutment preparation Techniques
   f) Fixed Prosthodontic Armamentarium/Tray Set-Up
C. OUTLINE OF MAJOR CONTENT AREAS: Continued...

g) Clinical Procedures: Armamentarium, Procedural Steps, and Patient Instruction
   i. Abutment Preparation Procedure
   ii. Prostheses Seating Procedure
   iii. Implant Procedure

h) Cosmetic Dentistry

4. Removable Prosthodontics
   a) Introduction and Terminology
   b) Types of Removable Prostheses and Parts
   c) Removable Prosthodontics Instruments/Armamentarium
   d) Clinical Procedures: Armamentarium, Procedural Steps, and Patient Instruction
      i. Removable Partial Denture Construction
      ii. Complete Denture Construction
      iii. Immediate Denture Construction
      iv. Repair of Removable Prostheses
      v. Implant Removable Prosthetic Procedures
   e) Care of Removable Prostheses

5. Endodontics
   a) Introduction and Terminology
   b) Endodontic Diseases
   c) Endodontic Instruments, Supplies, and Medicaments
   d) Endodontic Diagnosis, Treatment Planning, and Case Presentation
   e) Clinical Procedures: Armamentarium, Procedural Steps, and Patient Instruction
      i. Pulpectomy Procedures
      ii. Pulpotomy Procedures
      iii. Pulp Capping Procedures
      iv. Root Canal Therapy Procedures
      v. Apicoectomy and Retrofilling Procedures
      vi. Root Amputation (Resection) Procedures
      vii. Hemisection
      viii. Bleaching/Crowning

6. Oral and Maxillo-Facial Surgery
   a) Introduction and Terminology
   b) Types of Oral Surgery Procedures
   c) Oral and Maxillofacial Surgery Instruments
   d) Care and Maintenance of Surgical Instruments
   e) Surgical Asepsis
   f) The Assistant’s Role in Surgical Procedures
   g) Preparation for Surgical Procedures
   h) Pre-Operative/Post-Operative Patient Instructions
   i) Clinical Procedures: Armamentarium, Procedural Steps, and Patient Instruction
      i. Extraction
      ii. Alveoplasty
      iii. Apicoectomy
      iv. Cystectomy
      v. Torus removal
      vi. Jaw fracture treatment
      vii. Orthognathic Surgery-Jaw reduction or extension
      viii. Implants
      ix. Vertical gingival reduction
      x. Frenectomy
      xi. Incision and drainage
      xii. Biopsy
   j) Postsurgical Complications
   k) TMJ Procedures
C. OUTLINE OF MAJOR CONTENT AREAS: Continued...

7. Periodontics
   a) Introduction and Terminology
   b) Periodontal Diseases and Etiology
   c) periodontal Instruments
   d) Aseptic Technique During Periodontal Procedures
   e) Clinical Procedures: Armamentarium, Procedural Steps and Patient Instruction
      i. Periodontal Examination/Diagnosis
      ii. Case Presentation
      iii. Scaling, Curettage, Root Planning
      iv. POH
      v. Desensitization
     vi. Gingivectomy
     vii. Gingivoplasty
   viii. Mucogingival Surgery
   ix. Osseous Surgery
   x. Periocoronitis Treatment
   xi. Acute Necrotizing Ulcerative Gingivitis Treatment
   xii. Periodontal Dressing
   xiii. Splinting
   xiv. Occlusal Adjustment (Equilibration)

8. Orthodontics
   a) Introduction and Terminology
   b) The Orthodontic Team
   c) Indications/Contraindications of Orthodontic Treatment
   d) Causes of Orthodontic Problems
   e) Principles of Tooth Movement
   f) Orthodontic Appliances
   g) Orthodontic Instruments
   h) Orthodontic procedures: Armamentarium, Procedural Steps and Patient Instruction
      i. Oral Diagnosis
      ii. Cephalometric Tracing
      iii. Case presentation
      iv. Separator Appointment
     v. Banding/Bracketing Appointment
     vi. Adjustment Appointment
     vii. Removal of Bands and Brackets
   viii. Delivery of Orthodontic Retainers
   ix. Other Appliances

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
   1. Demonstrate professional dental assistant traits.
   2. Define the terms related to each dental specialty.
   3. Describe each dental specialty procedure.
   4. Correctly identify and explain the function of dental specialty instruments and equipment.
   5. Prepare tray set-ups for dental specialty procedures.
   6. List in correct order of performance the procedural steps for dental specialty procedures.
   7. Effectively assist for dental specialty procedures.
   8. Employ effective patient management techniques for dental specialty procedures.
   9. Deliver patient pre-operative and post-operative instructions for dental specialty procedures.
   10. Correctly record treatment progress notes for general and specialty dental procedures.
   11. Prepare tray set-ups for amalgam and composite procedures.
   12. Assist for amalgam and composite procedures.
   15. Prepare handouts and coloring books for target audiences.
D. LEARNING OUTCOMES (GENERAL): Continued . . .  
17. Develop a community dental education PowerPoint presentation.  
18. Deliver effective community dental education presentations to target audiences.  
20. Implement infection control, safety, and hazard management protocols.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:  
1. Written assignments  
2. Weekly written quizzes  
3. Instrument/dental equipment identification quizzes  
4. Written final exam  
5. Instrument/dental equipment identification final exam  
6. Clinical skill performance evaluations  
7. Community dental education PowerPoint presentation  
8. Community dental education presentation scripts, audiovisual aids, and review handouts and/or coloring books.  
9. Attendance  
10. Affective behavior.

G. RCTC CORE OUTCOME(S) ADDRESSED:  
☐ Communication  ☒ Civic Responsibility  
☐ Critical Thinking  ☐ Personal/Professional Accountability  
☐ Global Awareness/Diversity  ☐ Aesthetic Response

H. SPECIAL INFORMATION (if any):  
1. RCTC Dental Assistant Program Uniform & Nametag  
2. RCTC Dental Assistant program Approved Safety Glasses  
3. Transportation to and from Community Sites for Presentations  
4. Approved state and national background studies  
5. Students must comply with all RCTC Dental Assistant Program Dental Clinic/Lab Policies and Protocols (i.e. Infection Control and Hazards Management Protocols and Clinic Dress and Etiquette Protocols)