



South Central College

DA 1860 Expanded Functions II

Common Course Outline

Course Information

Description	Expanded Functions II is designed to provide knowledge of general and specialty dentistry with associated chairside dental assisting laboratory and clinical skills. Emphasis will be placed on general and specialty dental procedures, including expanded dental procedures legally allowed by the Minnesota Board of Dentistry for Licensed Dental Assistants. (Prerequisite: DA 1814, DA 1815).
Total Credits	4
Total Hours	96

Types of Instruction

Instruction Type	Credits/Hours
Lecture	2 / 32
Laboratory	2 / 64

Pre/Corequisites

Prerequisite DA 1814 Chairside Dental Assisting I, DA 1815 Dental Materials

Institutional Core Competencies

Communication - Students will be able to demonstrate appropriate and effective interactions with others to achieve their personal, academic, and professional objectives.

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Program Student Learning Outcomes

Demonstrate practical application of infection control, biohazards/quality assurance procedures, and treatment area maintenance.

Course Competencies

1. Describe dental terminology

Learning Objectives

- Pronounce and spell key dental terminology
- Utilize professional dental terminology

2. Incorporate infection control protocols

Learning Objectives

Utilize aseptic clinic protocols
Implement patient care infection control measures
Implement disinfection and sterilization techniques
Utilize patient management techniques

3. Apply professional and ethical clinical protocols

Learning Objectives

Communicate dental procedures to patients
Demonstrate professional language and protocols
Utilize ethical clinical protocols

4. Utilize appropriate dental software

Learning Objectives

Utilize dental software
Complete documentation with Subjective, Objective, Assessment, and Plan (SOAP) format
Maintain clinical patient records

5. Summarize provisional dental coverage and purpose

Learning Objectives

Describe provisional coverage types, materials, and functions
List provisional coverage criteria, indications, and contraindications
Label dental rotary instruments, numbers, and functions
State post-operative instructions

6. Apply provisional dental coverage

Learning Objectives

Demonstrate provisional coverage fabrication
Practice dental cement manipulation, placement, and removal
Show provisional coverage removal technique
Demonstrate knowledge in giving post-operative instructions

7. Summarize Fixed Prosthodontic Dentistry

Learning Objectives

Identify and describe fixed, direct prosthodontic restorations
List indirect restoration procedural steps
Describe dental laboratory prescription information, forms, and use
Explain dental prosthesis procedural overview
Describe computer assisted prosthetic appliances and applications
Identify gingival retraction and tissue management techniques

8. Apply gingival displacement methods

Learning Objectives

Utilize gingival retraction materials and instruments
Demonstrate gingival retraction methods placement and removal

9. Describe Removable Prosthodontics

Learning Objectives

Recognize the differences between fixed, removable, partial, and full prosthesis
Describe extra-oral and intra-oral prosthetic appliance factors
Identify denture components and functions
List denture appointment sequencing and scheduling
Explain denture relining, rebasing, tissue conditioning, and repairs

10. Explain Endodontic Dentistry

Learning Objectives

List Endodontic pathological conditions, causes, symptoms, and signs
Describe Endodontic diagnostic examinations and instruments used
Describe Endodontic dental procedures, including tray set-ups, instruments, and Standard Operating Procedure (SOP)

11. Apply Endodontic Dental procedures

Learning Objectives

Demonstrate drying Endodontic canals with paper points
Demonstrate use of temporary and intermediate restoration placement

12. Identify tooth whitening procedures

Learning Objectives

Describe tooth whitening treatment options
Recognize tooth whitening agents and ingredients
Identify shade guide types, use, and applications
List tooth whitening procedural steps, adverse reactions, and abuse

13. Demonstrate tooth whitening procedures

Learning Objectives

Obtain alginate impressions and prepare models for whitening
Construct whitening tray from model
Deliver whitening trays to patient
Demonstrate tooth whitening procedural steps, patient education, and post-operative instructions to patient

14. Apply athletic mouth guard procedures

Learning Objectives

Demonstrate model preparation and athletic mouth guard fabrication
Deliver athletic mouth guard to patient

15. Explain the specialties of oral and maxillofacial surgery and dental implantology

Learning Objectives

Describe oral surgery and dental implant practices
Identify oral surgery procedures, instruments, and armamentarium
Name surgical aseptic practices and protocols
List oral surgery procedural steps
Describe suture removal steps, post-surgical complications, medications, and post-operative instructions

16. Explain the specialty of Periodontics

Learning Objectives

Identify periodontal structures and functions
Explain periodontal dental procedures and charting
Describe different periodontal pack types, usage, indications and contraindications, and steps for placement and removal

17. Identify general dentistry instruments and functions

Learning Objectives

Label hand cutting instruments and functions
List dental handpiece types and functions
Describe dental rotary instruments, numbering system, and functions
Identify restorative and accessory dental instruments and their functions

18. Describe general dentistry procedures

Learning Objectives

Identify cavity classifications, preparations, and associated terminology
Describe restorative dental procedures and SOP
List dental restorative instruments and armamentarium
Identify and describe dental matrices with their functions and use

19. Apply dental assisting duties for restorative dentistry

Learning Objectives

Prepare procedure tray and armamentarium for dental restorations
Utilize dental team concepts
Assist with restorative dental procedures
Demonstrate knowledge of post-operative dental instructions
Demonstrate matrices assembly, placement, and removal
Demonstrate dental handpiece and rotary attachment assembly and removal

20. Apply Bloodborne Pathogens standards**Learning Objectives**

Discuss hazardous waste protocol
Incorporate Bloodborne Pathogen standard in labs
Implement Hazardous Waste protocol
Utilize Bloodborne Pathogen exposure prevention methods

21. Summarize athletic mouthguards**Learning Objectives**

Explain athletic mouth protector types and functions
Describes steps of athletic mouthguard formation

22. Apply oral surgery procedures**Learning Objectives**

Apply knowledge in suture removal, post-surgical complications, medications, and post-operative instructions
Demonstrate oral surgery SOP's

23. Apply periodontal procedures**Learning Objectives**

Demonstrate placement and removal of various periodontal dressings
Identify periodontal instruments