



South Central College

# DA 1814 Chairside Dental Assisting I

## Common Course Outline

### Course Information

<b>Description</b>	Chairside Dental Assisting I provides laboratory and clinical knowledge and skills required for dental assisting clinical techniques and methods. Areas of emphasis are: clinical asepsis, safety, ergonomics, patient management and preparation, dental instruments and nomenclature, chairside assisting techniques, 4-6 handed dentistry, and treatment planning. (Prerequisites: COMM 140; PHIL 100 or 150; HLTH 1950; HLTH 1952; DA 1812; Co-requisite: DA 1813)
<b>Total Credits</b>	4
<b>Total Hours</b>	96

### Types of Instruction

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

### Pre/Corequisites

Prerequisite	HLTH 1950, HLTH 1952, DA 1812
Corequisite	DA 1813
Prerequisite	PHIL 100 or PHIL 150
Prerequisite	COMM 140

### 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.

### Course Competencies

#### 1. Explain appropriate use of specific dental terminology

##### Learning Objectives

- Define and pronounce key terms
- Demonstrate correct dental terminology usage

**2. Identify the dental office design requirements**

**Learning Objectives**

Differentiate clinical areas  
Identify dental equipment and usage  
Identify morning and evening routines  
Describe dental office maintenance

**3. Explain dental office emergency preventative measures**

**Learning Objectives**

List emergency preparation protocols  
Identify and describe basic emergency equipment  
Describe common medical and dental emergencies

**4. Identify infection control protocols**

**Learning Objectives**

Describe clinical infection control protocols  
Differentiate between disinfection and sterilization protocols

**5. Summarize professional and ethical clinical protocols**

**Learning Objectives**

Identify professional terminology to utilize when communicating with patients and other professionals  
Describe the Health Insurance Portability and Accountability Act (HIPAA)  
Summarize ethical clinical protocol

**6. Identify dental care delivery concepts and team ergonomics**

**Learning Objectives**

Discuss treatment room preparations  
Identify and describe patient positioning for working on different areas of the mouth  
Describe motion economy and work zones  
Identify proper working positions and cumulative muscular disorders and corrections

**7. Apply ergonomic positioning concepts**

**Learning Objectives**

Utilize ergonomic principles with positioning  
Demonstrate dental team and patient positioning  
Demonstrate treatment room preparation

**8. Recognize components of the patient record**

**Learning Objectives**

Identify and describe patient record forms and requirements  
Describe the process of gathering information for the patient record  
Identify and describe extraoral and intraoral anatomical landmarks

**9. Identify patient preparation and care concepts**

**Learning Objectives**

Identify and describe patient preparation protocols  
Identify and describe normal and abnormal patient vital signs

**10. Identify dental instruments and armamentarium**

**Learning Objectives**

Describe dental instrument design and nomenclature  
Identify instrument setups, coding, and sequencing  
Recall instrument safety and care

**11. Demonstrate the proper use of dental instruments**

**Learning Objectives**

Apply the use of instrument sequencing, procedural tray set-ups, and SOP's

Practice instrumentation techniques  
Incorporate instrument management systems  
Apply different methods of instrument transfer

**12. Prepare oral diagnosis and treatment planning devices**

**Learning Objectives**

Identify extraoral and intraoral structures  
Complete alginate impressions  
Demonstrate bite registration

**13. Summarize the dental profession**

**Learning Objectives**

Identify historical dental contributions and individuals  
Identify and describe the oral health team  
Explain dental education, professional requirements, and associations

**14. Identify psychological and behavioral concepts**

**Learning Objectives**

Identify human behavior characteristics and needs  
Identify prominent psychologists and their beliefs  
Explain cultural diversity  
Define coping and defense mechanisms

**15. Incorporate fundamental operator skills**

**Learning Objectives**

Demonstrate instrument grasps, adaptation, and control  
Show skill in use of the mouth mirror with direct and indirect vision

**16. Identify moisture control methods**

**Learning Objectives**

Identify and describe common dental moisture control equipment and techniques  
Identify and describe oral rinsing and evacuation methods and techniques

**17. Describe personal oral hygiene techniques**

**Learning Objectives**

Explain preventative dentistry philosophy and principles  
Identify methods of plaque control

**18. Summarize topical fluorides**

**Learning Objectives**

Identify and describe fluoride sources, types, forms, and techniques  
Explain systemic and topical fluoridation processes, benefits, and risks

**19. Apply dental office design requirements**

**Learning Objectives**

Demonstrate dental office equipment usage and functions  
Demonstrate dental office equipment maintenance procedures

**20. Incorporate dental office emergency protocols**

**Learning Objectives**

Demonstrate dental office emergency protocols for various scenarios  
Demonstrate usage of dental office emergency equipment

**21. Incorporate infection control protocols**

**Learning Objectives**

Demonstrate clinical infection control and aseptic technique  
Demonstrate disinfection and sterilization techniques

**22. Incorporate professional and ethical clinical protocols**

**Learning Objectives**

Demonstrate usage of professional terminology when communicating with professionals and patients  
Utilize HIPPA protocols when working in dental settings  
Utilize ethical clinical protocols

**23. Incorporate recording in the patient record**

**Learning Objectives**

Complete or assist with extraoral/intraoral (EO/IO) exam clinical competencies  
Document clinical patient dental procedures and record management

**24. Apply patient preparation and care concepts**

**Learning Objectives**

Demonstrate patient preparation techniques including vital signs  
Utilize patient management and education techniques

**25. Apply moisture control methods**

**Learning Objectives**

Demonstrate common moisture control techniques  
Demonstrate oral rinse and evacuation methods and techniques

**26. Apply personal oral hygiene techniques**

**Learning Objectives**

Demonstrate Personal Oral Hygiene techniques  
Demonstrate denture cleaning techniques

**27. Apply topical fluorides**

**Learning Objectives**

Demonstrate topical fluoride gel application techniques, including providing post-operative instructions  
Demonstrate topical fluoride varnish applications, including providing post-operative instructions