



South Central College

DA 1828 Nitrous Oxide Sedation

Common Course Outline

Course Information

Description Nitrous Oxide Sedation is designed to provide fundamental knowledge, elements, purposes, and uses of Nitrous Oxide sedation for the Dental Hygienist and Dental Assistant.

(Prerequisites: DA 1814, HLTH 1950, HLTH 1952, CPR must be valid throughout course.)

Total Credits 1

Types of Instruction

Instruction Type	Credits/Hours
lecture	1/16

Pre/Corequisites

- Prerequisite DA 1814
- Prerequisite HLTH 1950 CPR - CPR must be valid throughout course.
- Prerequisite HLTH 1952 First Aid

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. Explain pain and anxiety management, terminology, history, and evolution

Learning Objectives

Describe administration guidelines, evolution of sedation and individual contributions

Describe pain mechanisms, management strategies and physiological and pharmacology effects
Explain and identify nitrous oxide analgesic properties, interactions and administration physiology

2. Discuss nitrous oxide analgesic equipment and armamentarium

Learning Objectives

Describe nitrous and oxygen distribution and manufacturing
Identify and assemble nitrous oxide equipment and materials

3. Demonstrate nitrous oxide analgesic

Learning Objectives

Explain patient assessment, indications, contraindications, and patient management skills
Explain respiratory anatomy and nitrous oxide body interactions
Describe nitrous oxide analgesic monitoring and administration techniques and precautions
Demonstrate nitrous oxide patient induction, titration, and maintenance techniques
Complete nitrous oxide administration, monitoring, and documentation competencies

4. Describe special consideration issues

Learning Objectives

Identify legal aspects, incident reporting, and administration guidelines
Describe multidisciplinary applications and abuse potential

5. Apply Blood-borne Pathogens Standards

Learning Objectives

Discuss hazardous waste protocol
Incorporate Blood-borne Pathogens' standard in labs
Implement hazardous waste protocol
Utilize Blood-borne Pathogens' exposure prevention methods