South Central College

DA 1828  Nitrous Oxide Sedation

Course Outcome Summary

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, HLTH 1954, CPR must be valid throughout course.)

Total Credits 1

Types of Instruction

Instruction Type Credits/Hours
lecture, lab 1/16

Pre/Corequisites

DA 1814
HLTH 1950 CPR/CPR must be valid throughout course.
HLTH 1952 First Aid
HLTH 1954 Safety

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 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

**SCC Accessibility Statement**

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: [www.southcentral.edu/disability](http://www.southcentral.edu/disability)

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