

# MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

## COURSE OUTLINE

DEPT. DEN

COURSE NUMBER: 1185

NUMBER OF CREDITS: 1

Lecture: 1 Lab: 0 OJT 0

### Course Title:

Nitrous Oxide Inhalation Administration

### Catalog Description:

Nitrous Oxide Inhalation Administration provides the student with skills and knowledge needed for safe and effective administration of nitrous oxide inhalation analgesia and the management of associated complications. The course will provide didactic and supervised clinical experiences as required by the Minnesota Board of Dentistry. During the clinical portion of the course, students will administer and undergo nitrous oxide/oxygen sedation as a patient

### Prerequisites or Necessary Entry Skills/Knowledge:

Student must be certified in CPR before taking this course and enrolled in the Dental Assistant Program or permission from instructor.

### FULFILLS MN TRANSFER CURRICULUM AREA(S) (*Leave blank if not applicable*)

- ☐ Goal 1: Communication: By meeting the following competencies:
- ☐ Goal 2: Critical Thinking: By meeting the following competencies:
- ☐ Goal 3: Natural Sciences: By meeting the following competencies:
- ☐ Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
- ☐ Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
- ☐ Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
- ☐ Goal 7: Human Diversity: By meeting the following competencies:
- ☐ Goal 8: Global Perspective: By meeting the following competencies:
- ☐ Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
- ☐ Goal 10: People and the Environment: By meeting the following competencies:

### Topics to be Covered

Minnesota Board of Dentistry rules regarding nitrous oxide analgesia

Anxiety and pain control in dentistry

Sedation techniques/stages of anesthesia

Nitrous Oxide/Oxygen sedation equipment

Nitrous Oxide/Oxygen sedation safety measures

Nitrous Oxide/Oxygen sedation administration techniques

Signs and symptoms of Nitrous Oxide/Oxygen sedation and over sedation

Nitrous Oxide/Oxygen sedation advantages and disadvantages
Nitrous Oxide/Oxygen sedation indications and contraindications

<b>Student Learning Outcome</b>
Describe Nitrous Oxide/Oxygen sedation equipment.
Demonstrate Nitrous Oxide/Oxygen sedation administration.
Explain Nitrous Oxide/Oxygen sedation safety measures.
Monitor a patient during Nitrous Oxide/Oxygen sedation for signs of over sedation.

<b>Is this course part of a transfer pathway:</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
<i>*If yes, please list the competencies below</i>

Revised Date: 1/18/2022