

NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
DNH 235 - MANAGEMENT OF DENTAL PAIN AND ANXIETY IN THE DENTAL OFFICE (2 CR.)

Course Description

This course provides a study of anxiety and pain management techniques used in dental care. Students will understand the necessary theory to appropriately treat, plan and successfully administer topical anesthesia, local anesthesia, and nitrous-oxide/oxygen analgesia. Includes the components of pain, pain control mechanisms, topical anesthesia, and nitrous-oxide/oxygen analgesia. Lecture 1 hour per week. Laboratory 2 hours per week. Total 3 hours per week.

General Course Purpose

To prepare second year dental hygiene students with an understanding of the management of pain and anxiety during the provision of dental treatment.

Course Prerequisites/Co-Requisites

None

Course Objectives

Upon completing the course, the student will be able to:

- Discuss the importance of reviewing the medical history and assessment of the psychological profile of a patient prior to the administration of local anesthesia.
- Discuss the pharmacologic actions and anatomical considerations for the administration of local anesthetic agents.
- Describe and demonstrate the proper assembly of the local anesthetic armamentarium.
- Demonstrate to clinical competency on a patient maxillary/mandibular infiltration and block anesthesia techniques.
- Discuss the potential complications and management of emergencies when administering local anesthetics.
- Discuss the pharmacologic actions of nitrous-oxide/oxygen analgesia.
- Discuss the potential complications and management of emergencies when administering nitrous oxide/oxygen analgesia.
- Demonstrate knowledge and use of the nitrous-oxide/oxygen analgesia armamentarium.
- Demonstrate to clinical competency on a patient nitrous-oxide/oxygen sedation techniques.

Major Topics to be Included

- Medical History Evaluation and Psychological Assessment
- Pharmacology of Local Anesthetics and Vasoconstrictors
- Anatomical Considerations for the Administration of Local Anesthesia
- Techniques for Maxillary Infiltration and Block Anesthesia
- Techniques for Mandibular Infiltration and Block Anesthesia
- Management of Complications for the Administration of Local Anesthetics
- Pharmacology of Nitrous-Oxide/Oxygen Analgesia
- Techniques for the Administration of Nitrous-Oxide/Oxygen Analgesia
- Management of Complications for the Administration of Nitrous-Oxide/Oxygen Analgesia