

DHYG 237-001-COURSE TITLE 3 CREDITS

SYLLABUS

CATALOG DESCRIPTION

A study of the application of various physical, chemical and psychological modalities to the prevention and treatment of preoperative and postoperative patient anxiety and pain. Emphasis is placed on dental hygiene administration of local anesthesia and the monitoring of nitrous oxide

Prerequisites: DHYG 221, 225 **Co-requisites:** DHYG 229, 233, 234, 237

Semester Offered: Fall

Common Student Learning Outcomes

Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...

BROAD AND SPECIALIZED LEARNING

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

CRITICAL THINKING

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

CULTURAL AND CIVIC ENGAGEMENT

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

EFFECTIVE COMMUNICATION

Students will exchange ideas and information with clarity in multiple contexts.

INFORMATION LITERACY

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

INTEGRATING TECHNOLOGIES

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

Course Goals

1. To be able to recognize and demonstrate physical, chemical and psychological methodologies to reduce or eliminate pain and anxiety.
2. To be able to safely administer local anesthesia and monitor nitrous oxide analgesia.
3. To be able to demonstrate the ability to handle medical emergencies associated with the administration of local anesthesia and nitrous oxide analgesia.
4. To familiarize the student with various modalities and technologies available for the administration of dental pain control.

Course Learning Outcomes

Upon successful completion of the course, the student will be able to...

1. Demonstrate an in-depth knowledge of the anatomy and physiology of the human body and its response to the various pharmacologic agents used in anxiety and pain control.
2. Evaluate patients, with direct supervision, as physiological and/or psychological risks for the use of various modalities of anxiety and pain control.
3. Evaluate patients' psychological and/or physiological need for various forms of anxiety and pain control and their potential response to anxiety and pain control procedures, with direct supervision.
4. Select the proper modality to use in relation to specific pain problems and the physical and psychological condition of the patient, with direct supervision.
5. Demonstrate various techniques of psychological management and behavior modification as they relate to anxiety and pain control in dentistry.
6. Administer local anesthesia through various techniques.
7. Monitor nitrous oxide inhalation.
8. Demonstrate the handling of emergencies and complications related to anxiety and pain control procedures, including the immediate establishment of an airway and maintenance of respiration and circulation.