DHY 214   Local Anesthesia and Pain Control

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:
This course is designed to provide students with the basic and current concepts of local anesthetics, nitrous oxide sedation and pain control. Systemic effects, tissue diffusion and the toxicity of anesthetics and dental therapeutic agents used in dentistry will be reviewed. Assessment of the patient's health status, level of apprehension and pain threshold will be included in determining the indications and contraindications of pain control and alleviation of pain. Selection and administration of appropriate anesthetic agents and evaluation of the proper technique will be evaluated. The student will learn to administer local anesthesia, safely, effectively and painlessly. The student will learn to safely administer and monitor nitrous oxide oxygen sedation in compliance with Michigan Law.

PREREQUISITES:

EXPECTED COMPETENCIES:
Upon completion of this course, the student will be familiar with:

- Gain knowledge and experience in pain control.
- Recognize the need for pain control.
- Understand the limitations of local anesthesia.
- Review and evaluate the patient medical history.
- Take and record vital signs, recognizing safe parameters.
- Treat patients without causing pain or discomfort.
- Determine the safe minimum dose and type of anesthetic needed and the safe level of nitrous oxide used.
- Evaluate the possible interactions of local anesthesia and nitrous oxide with other medications.
- Recognize medical emergencies and respond in a proper manner for the safe and well being of the patient.
- Evaluate their own performance in accordance with accepted methods of pain control

ASSESSMENT METHODS:
Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

GRADING SCALE:
93%- 100% = A
86% - 92% = B
85% - 75% = C
69% - 74% = D
0% - 68% = E