Common Course Outline
ANET 204
Concepts of Anesthesia Technology II
3 Credits

Community College of Baltimore County

Description

ANET 204 – Concepts of Anesthesia Technology II provides the theoretical knowledge for management of the patient throughout the surgical experience.

3 Credits: 3 lecture hours

Prerequisite: ANET 102

Overall Course Objectives

Upon completion of this course students will be able to:

1. discuss patient airway management;
2. describe the types, benefits and risk of various types of anesthesia;
3. explain patient positioning for specific procedures;
4. describe the daily functions of the anesthesia technologist room preparation and instrument sterilization;
5. analyze laboratory findings for the surgical patient;
6. describe the proper use of warming and cooling devices;
7. describe body mechanics to prevent injury;
8. outline the steps in obtaining and handling specimens;
9. list the steps necessary in the gas machine checkout; and
10. discuss the role of the anesthesia technologist in procedures outside of the operating suite.

Major Topics

I. Airway Equipment
   - A. General
   - B. Difficult Airway

II. Types of Anesthesia
   - A. Regional
   - B. General
   - C. Conscious Sedation

III. Patient Position
   - A. Procedural
   - B. Surgical
   - C. Preventing Patient Injury
   - D. Proper Body Mechanics

IV. Room Set-up and Tear Down

A. Using the Operating Room(OR) Schedule
B. Consulting with the Anesthesia Provider
C. Processing and Disposal of Used Equipment

V. Cleaning and Sterilization of Instruments
A. Safety Precautions
B. Material Safety Data Sheets
C. Types of Sterilizers and Process
D. Storage of Sterilizes Supplies

VI. Laboratory Test and Values
A. Normal Values
B. Specific Test Performed
C. Portable Laboratory Devices
D. Specimen Collection and Handling

VII. Anesthesia Gas Machine Checkout
A. Machine Check
B. Case Turnover Ventilatory Circuit Check
C. Checkout Failure Procedure

VIII. Patient Warming and Cooling Devices
A. Convective Warming Systems
B. Patient Safety Considerations
C. Intravenous Fluid Warmers

IX. Out of OR Anesthetizing Locations
A. Equipment
B. Technologists Role
C. Locations

Course Requirements

An overall grade of C (70%) or higher is required for satisfactory completion of the course.

Grading procedures will be determined by the course faculty members but will include the following:

Grading/Exams:

- A minimum of three theory examinations
- A minimum of three quizzes

Written Assignments: Students are required to utilize appropriate academic resources.

- Minimum of two writing assignments such as: anesthesia individualized care plan and paper on topic relevant to course.
- Citations are based on the American Psychological Association (APA) format.