

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.