

Common Course Outline
ANET 102
Concepts of Anesthesia Technology I
3 Credits

Community College of Baltimore County

Description

ANET 102 – Concepts of Anesthesia Technology I provides an introduction to functioning within the surgical environment.

3 Credits: 3 lecture hours

Prerequisite: Acceptance into the Anesthesia Technology Program.

Overall Course Objectives

Upon completion of this course students will be able to:

1. explain the significance of using aseptic technique within the environment of care;
2. describe sterile technique;
3. recognize breaks in sterile technique;
4. describe the function of the anesthesia gas machine;
5. compare the types of non-invasive and invasive monitoring modalities used in patient care;
6. identify the methods for the delivery of anesthetic agents;
7. outline the steps in creating the anesthesia schedule;
8. define anesthesia specific terminology;
9. explain the role of the Anesthesia Technologist in assisting in the delivery of regional anesthesia; and
10. summarize the basic anesthesia set-up.

Major Topics

- I. Surgical Environment of Care
 - A. Asepsis
 - B. Universal Precautions
 - C. Sterile Technique
 - D. Surgical Environment
 - E. Anesthesia Workroom
- II. Infection Control
 - A. Chain of transmission
 - B. Handwashing
 - C. Universal/ Standard Precautions
- III. Anesthesia Gas Machine
 - A. Introduction

- B. Basic Concepts of Ventilation
- C. Waste Gas Management
- IV. Introduction to Operating Room Schedule
 - A. Anesthesia Specific
 - B. Daily Use
 - C. Individual Assignments
- V. Hemodynamic Monitors
 - A. Non-Invasive
 - B. Invasive
- VI. Medical Terminology
 - A. Anesthesia Specific
 - B. Daily Use and Review
- VII. Delivery of Anesthetic Agents
 - A. Methods
 - B. Types of Agents Used
- VIII. Regional Anesthesia
 - A. Techniques and Procedures
 - B. Role of the Assistant
 - C. Positioning
 - D. Equipment

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 individual faculty member 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 one writing assignment such as: anesthesia individualized care plan or paper on topic relevant to course.
- Citations are based on the American Psychological Association (APA) format.