

Common Course Outline
ANET 202
Anesthesia Technology Equipment I
4 Credits

Community College of Baltimore County

Description

ANET 202 – Anesthesia Technology Equipment I provides an introduction to the theoretical knowledge of the functions of the anesthesia machine. This course also introduces the student to use of ancillary equipment including set-up, maintenance and troubleshooting; provides the opportunity for hands-on experience with equipment and simulated patient experiences.

4 Credits: 3 lecture hours, 3 laboratory hours

Prerequisite: Acceptance into the Anesthesia Technology program.

Overall Course Objectives

Upon completion of this course students will be able to:

1. explain the function of anesthesia equipment, its set-up and maintenance;
2. explain the basic use of anesthesia equipment in relation to concepts from the biological sciences;
3. demonstrate the proper set-up of anesthesia equipment;
4. demonstrate the maintenance process of anesthesia equipment;
5. demonstrate the proper use of equipment in simulated experiences;
6. identify what equipment is used for specific procedures;
7. demonstrate critical thinking in problem solving malfunction of anesthesia equipment;
8. demonstrate proper application of warming and cooling devices;
9. demonstrate use of portable laboratory equipment; and
10. apply didactic knowledge of use of appropriate airway equipment in a simulated experience.

Major Topics

- I. Airway Equipment
 - A. Usage
 - B. Maintenance
- II. Anesthesia Machine
 - A. Mechanical Ventilation
 - B. Scavenging Systems
 - C. Usage
- III. Hemodynamic Monitoring
 - A. Usage
 - B. Maintenance

- IV. Patient Warming and Cooling Devices
 - A. Usage
 - B. Maintenance
- V. Malignant Hyperthermia Cart
 - A. Usage
 - B. Maintenance
 - C. Troubleshooting
- VI. Peripheral Nerve Block Equipment
 - A. Usage
 - B. Maintenance
- VII. Portable Laboratory Equipment
 - A. Usage
 - B. Maintenance

Course Requirements

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

The course will contain a minimum of two simulated laboratory experiences.

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 two graded skills tests
- A minimum of four quizzes

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

- Minimum of one writing assignment such as: anesthesia individualized care plan or topic related to course.
- Citations are based on the American Psychological Association (APA) format.

