

**Common Course Outline**  
**VETT 203**  
**Veterinary Surgical Procedures and Anesthesiology**  
**3 Credits**

**The Community College of Baltimore County**

**Description**

**VETT 203 – 3 credits – Veterinary Surgical Procedures and Anesthesiology** introduces surgical procedures and equipment so that students can assist in the surgical suite. The course; includes principles of pre-operative and post-operative care of animals, study of anesthetics and induction and monitoring of anesthesia.

**3 credits:**

**Pre- requisites:**

VETT 112, VETT 113, VETT 114, VETT 211, VETT 212

**Overall Course Objectives:**

Upon completion of this course students will be able to:

1. identify normal and abnormal physical examination findings, especially those affected by anesthesia;
2. calculate intravenous drip rates;
3. calculate dosage;
4. outline intravenous catheterization procedures;
5. identify intravenous fluids and when they are used;
6. explain pre-anesthetic laboratory procedures;
7. identify patient monitoring procedures during a surgical procedure using standard veterinary equipment;
8. restate the uptake, distribution, and pharmacology of inhalation anesthetics;
9. identify the types and uses of inhalant anesthetic delivery systems;
10. list the proper procedure for endotracheal intubation;
11. identify respiratory and cardiac emergencies;
12. identify appropriate respiratory and cardiac emergency procedures;
13. determine appropriate anesthetic protocols for the compromised patient;
14. identify normal and abnormal dental anatomy;
15. explain proper dental prophylaxis;
16. list proper procedure for tooth extraction;
17. identify surgical instruments;
18. explain appropriate surgical instrument care and use;
19. identify types and uses of suture material;
20. identify appropriate surgical techniques required of the veterinary technician;

21. explain the procedure for sterilization of surgical instrument packs;
22. identify proper surgical room preparation;
23. identify the proper procedure for patient preparation for surgery;
24. outline the process of wound healing;
25. identify proper management of a wound;
26. recognize the appropriate bandaging and splinting techniques and materials; and
27. describe common surgical procedures employed on various common species

### **Major Topics**

- I. Patient evaluation and pre-anesthetic considerations
- II. Fluid therapy
- III. Patient monitoring
- IV. Injectable anesthetics
- V. Inhalant anesthetics
- VI. Anesthetic emergencies
- VII. Anesthesia of the compromised patient
- VIII. Instruments and instrument care
- IX. Surgical preparation
- X. Dentistry
- XI. Wound care
- XII. Selected surgical procedures

### **Course Requirements:**

Grading procedures will be determined by the individual faculty member but will include the following:

#### **Grading/exams:**

A mid-term and final examination will be given. Final examination will be cumulative  
Two or more unexcused absences will result in lower of final grade by one letter

### **Other Course Information**

This course is the first course in a required two-course sequence.