

VETT 203
Veterinary Surgical Procedures and Anesthesiology
3 Credits

Community College of Baltimore County
Common Course Outline

Description

VETT 203 – Veterinary Surgical Procedures and Anesthesiology: introduces the student to surgical procedures, equipment, and instruments so they can assist in the surgical suite. The course includes principles of pre-operative, operative and post-operative care of animals, study of anesthetics, and induction and monitoring of anesthesia. The lab component is VETT 223, Veterinary Surgical Procedures and Anesthesiology, in the following fall semester.

Pre-requisite(s): VETT 112, VETT 113, VETT 114, VETT 212

Co-requisite(s): VETT 202

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 including constant rate infusions;
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 surgical instruments;
15. explain appropriate surgical instrument care and use;
16. identify appropriate surgical techniques required of the veterinary technician;
17. identify the proper procedure for patient preparation for surgery; and
18. describe common surgical procedures employed on various common species.

Major Topics

- I. Patient evaluation and pre-anesthetic considerations
- II. Fluid therapy
- III. Patient monitoring

The Common Course Outline (CCO) determines the essential nature of each course.
For more information, see your professor's syllabus.

- IV. Injectable anesthetics
- V. Inhalant anesthetics
- VI. Anesthetic emergencies
- VII. Anesthesia of the compromised patient
- VIII. Instruments and instrument care
- IX. Surgical preparation
- X. Selected surgical procedures

Course Requirements

Grading will be determined by the individual faculty member, but shall include the following, at minimum:

- Two examinations
- Two quizzes
- Two assignments

Written assignments and research projects: Students are required to use appropriate academic resources in their research and cite sources according to the most current APA format.

Other Course Information

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

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