

VETT 113

Clinical Laboratory Procedures

4 Credits

Community College of Baltimore County
Common Course Outline

Description

VETT 113 – Clinical Laboratory Procedures: Identical to catalog description; includes listing of prerequisites.

Pre-requisites: VETT 106, BIOL 221, BIOL 230, VETT 107, Acceptance into the Veterinary Technology Program

Overall Course Objectives

Upon completion of this course, students will be able to:

1. Learn how to prepare and submit specimens to a reference laboratory;
2. Understand procedures for drawing blood specimens;
3. Understand procedure for performing in house laboratory hematology testing;
4. Understand the difference between reference laboratories and in-house testing;
5. Understand the care and use of the microscope;
6. Understand basic and advanced laboratory equipment; both maintenance and repair;
7. Understand laboratory safety;
8. Understand proper specimen collection and handling;
9. Understand laboratory records and record keeping; and
10. Understand laboratory mathematics.

Major Topics

- I. Introduction, Principles, Terminology
- II. Types of veterinary laboratories
- III. Types of equipment used in the laboratory
- IV. Maintenance of laboratory equipment
- V. Laboratory safety
- VI. Hematology
- VII. Biochemical profiling
- VIII. Urinalysis
- IX. Exfoliative Cytology
- X. Semen Evaluation
- XI. Microbiology
- XII. Parasitology
 - a. Ectoparasites
 - b. Endoparasites
 - c. Reproductive parasites
 - d. Blood parasites

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

- e. Diagnosis by antibody testing
- f. Diagnosis by serology testing

Course Requirements

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

- Written exams
- Reports/quizzes
- Attendance/Participation

Written assignments and research projects: Students are required to use appropriate academic resources in their research and cite sources according to the style selected by their professor.

Date Revised: 7/22/2011