

**Common Course Outline**  
**VETT 113**  
**Clinical Laboratory Procedures**  
**4 Semester hours**

**The Community College of Baltimore County**

**Description**

Identical to catalog description; includes listing of prerequisites.

**Overall Course Objectives**

The 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.
10. Understand laboratory mathematics.

**Major topics**

1. Introduction, Principles, Terminology.
2. Types of veterinary laboratories.
3. Types of equipment used in the laboratory.
4. Maintenance of laboratory equipment.
5. Laboratory safety.
6. Hematology.
7. Biochemical profiling.
8. Urinalysis.
9. Exfoliative Cytology
10. Semen Evaluation.
11. Microbiology.
12. Parasitology
  - a. Ectoparasites.
  - b. Endoparasites.

- c. Reproductive parasites.
- d. Blood parasites.
- e. Diagnosis by antibody testing.
- f. Diagnosis by serology testing.

### **Course Requirements**

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

Written exams  
Reports/quizzes  
Attendance/Participation

Writing: The individual faculty member will determine specific writing assignments.

### **Other Course Information**

Prerequisites: VETT 106, BIOL 221, BIOL 230, VETT 107, Acceptance into the Veterinary Technology Program.