

# **Common Course Outline**

## **VETT 202**

### **Veterinary Imaging**

**2 Credits**

## **The Community College of Baltimore County**

### **Description**

**VETT 202 – 2 credits – Veterinary Imaging** introduces principles and uses of veterinary imaging in diagnosis and treatment protocols. The course; also introduces operation and safety precautions.

**2 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. explain basic radiographic imaging theory and terminology;
2. describe basic radiographic imaging and personnel safety;
3. explain standard radiographic positioning of companion animals;
4. utilize the radiographic technique chart;
5. explain special positive and negative imaging procedures for patient diagnosis;
6. explain the principles of ultrasonography;
7. describe basic patient positioning for proper ultrasound images
8. explain the relationship between patient density and the ultrasound image;
9. explain the process for recording imaging information in the patient record; and
10. explain the procedure for transmitting an image to another clinic.

### **Major Topics**

- I. Production and properties of radiographs
- II. Radiation safety
- III. Recording image into patient record
- IV. Radiographic positioners
- V. Radiographic quality
- VI. Radiographic technique charts
- VII. Exposure factors
- VIII. Patient positioning
- IX. Imaging terminology
- X. Special radiographic procedures
- XI. Portable radiology machines

XII. Ultrasonography  
**Course Requirements**

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

**Grading/exams:**

1. Two exams – mid-term and final (final is a cumulative examination)
2. Weekly quizzes- minimum of ten
3. Every two unexcused absences will decrease final grade by one letter

**Other Course Information**

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