

**Common Course Outline**  
**VETT 205**  
**Advanced Veterinary Imaging**  
**1 Credit**

**The Community College of Baltimore County**

**Description**

**VETT 205 – 1 credit – Advanced Veterinary Imaging** introduces veterinary technology students to advanced imaging equipment and procedures performed in progressive veterinary clinics, veterinary emergency/trauma care facilities, and veterinary referral services. Advanced imaging procedures offer the veterinarian additional diagnostic information to enhance the health care of the patient.

**Credit Hours: 1 credit**

**Prerequisites:**

VETT 202, and VETT 203, and VETT 208

**Overall Course Objectives**

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

1. explain the concepts of veterinary endoscopy;
2. explain the role of the technician in endoscopy procedures;
3. identify the advantages of endoscopy procedures in pet health care;
4. explain the advantage of using a dental radiography unit;
5. identify the advantages of dental radiography as it applies to the complete oral examination of the patient;
6. perform an oral diagnostic examination of the patient's mouth and record observations using proper dental terminology;
7. explain the concept of ultrasonography images;
8. identify a diagnostic ultrasound image;
9. demonstrate proper patient positioning for endoscopy procedures;
10. demonstrate proper patient positioning for ultrasound imaging;
11. demonstrate proper patient positioning and safety procedures for dental arcade radiography; and
12. explain the rationale for Computed Tomography scans (CT) and Magnetic Resonance Imaging (MRI) procedures in companion animals.

**Major Topics**

- I. Endoscopy
- II. Dental radiography
- III. Dental oral examination of the patient

- IV. Ultrasonography
- V. Computed Tomography (CT) scan
- VI. Magnetic Resonance Imaging (MRI)

### **Course Requirements**

1. Attendance at 75% of lectures
2. Classroom participation – demonstration of use of equipment

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

1. One examination for each of the following topics:
  - a. Endoscopy
  - b. Dental radiography and patient oral examination
  - c. Ultrasonography
2. Each examination must be passed with a 75% or better to pass the course
3. Classroom participation will be evaluated using a standardized check list to determine the student's ability to demonstrate the proper use of endoscopy equipment, dental radiography equipment, and ultrasonography equipment.

### **Other Course Information**

This course will help to prepare the student to take the National Technician Examination. This course is only offered during the winter session.

Date Revised: 12/07/11