

Course discipline/number/title: VT 2360: Veterinary Dentistry

A. CATALOG DESCRIPTION

1. Credits: 1
2. Hours/Week: 2 hours lab
3. Prerequisites (Course discipline/number): VT 1410, VT 1610, VT 2230, VT 2820
4. Other requirements: C or better in all previously required Veterinary Technician program courses.
5. MnTC Goals (if any): NA

B. COURSE DESCRIPTION: This course will teach the foundations of veterinary dentistry including oral health assessments and treatments, client education, and radiographic techniques. The course will also provide a review of anesthesia and pain management as it applies to dentistry.

C. DATE LAST REVISED (Month, year): February, 2024

D. OUTLINE OF MAJOR CONTENT AREAS:

1. Veterinary dental radiography
2. Application of anesthesia
3. Application of monitoring of anesthesia
4. Analgesia
5. Veterinary Dentistry

E. LEARNING OUTCOMES (GENERAL): The student will be able to:

1. Identify normal and abnormal dental structures, conditions, and lesions.
2. Identify teeth by means of anatomical and Triaden and numbering systems.
3. Demonstrate proper use of dental terminology to chart dental morphology accurately.
4. Demonstrate the steps to perform a complete dental prophylaxis.
5. Describe the causes and stages of gingivitis and periodontitis.
6. Perform recommended client education for a home dental care program.
7. Coordinate anesthesia with evaluation of patient status.
8. Evaluate patient, implement, and evaluate pain management protocols and oral blocks.
9. Coordinate pain management with the surgical team.
10. Complete full mouth quality diagnostic oral radiology of the Canine and Feline.

F. LEARNING OUTCOMES (MNTC):

G. METHODS FOR EVALUATION OF STUDENT LEARNING: Methods may include but are not limited to:

1. Laboratory skills evaluation
2. Examinations
3. Participation
4. Course Assignments

H. RCTC CORE OUTCOME(S). This course contributes to meeting the following RCTC Core Outcome(s):
Critical Thinking. Students will think systematically and explore information thoroughly before accepting or formulating a position or conclusion.

I. SPECIAL INFORMATION (if any):

The initial lab session explains and familiarizes the student with general safety hazards and safety equipment to the lab. During the pre- lab discussion, the hazardous characteristics of any materials used during a lab are discussed. In addition, if the lab involves any potentially infectious or zoonotic material, the students will be instructed on the proper use and disposal. The instructor will direct all students to where necessary protective equipment while working with any hazardous chemicals. A copy of the Safety Data Sheets for chemicals used is available in the lab.