

**STATE UNIVERSITY OF NEW YORK
COLLEGE OF TECHNOLOGY
CANTON, NEW YORK**



COURSE OUTLINE

VSCT 211- Animal Hospital Practices and Procedures

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**SCHOOL OF SCIENCE, HEALTH AND CRIMINAL JUSTICE
Veterinary Science Technology
MAY 2015**

VSCT 211- Animal Hospital Practices and Procedures

- A. **TITLE:** Animal Hospital Practices and Procedures
- B. **COURSE NUMBER:** VSCT 211
- C. **CREDIT HOURS:** 3
- D. **WRITING INTENSIVE COURSE:** yes
This is the writing intensive course for the Veterinary Science Technology curriculum.
- E. **COURSE LENGTH:** 15 weeks
- F. **SEMESTER(S) OFFERED:** Indicate: Spring
- G. **HOURS OF LECTURE, LABORATORY, RECITATION, TUTORIAL, ACTIVITY:** two hours lecture and two hours laboratory per week
- H. **CATALOG DESCRIPTION:** This course is considered the capstone course for the Veterinary Science Technology curriculum and is only open to students who have successfully completed all of the core VSCT courses from the first three semesters of the Veterinary Science Technology (curriculum code 521) Checksheet. This class creates an environment similar to that of a working veterinary practice and allows students to practice and further enhance the skills necessary for a licensed veterinary technician. During each class meeting, students are required to write graded assignments. They will also complete longer reflective papers as part of the semester assignment. Students are also required to research a case study and prepare a written reference paper and deliver an oral presentation using presentation software. Students enrolling in this class are expected to perform required kennel duty.
- I. **PRE-REQUISITES:** VSCT 201, VSCT202, VSCT203, VSCT204, VSCT205, VSCT206, VSCT 207, VSCT 209.
- J. **GOALS (STUDENT LEARNING OUTCOMES):**

<i>Course Objective</i>	<i>Institutional SLO</i>
a. Work co-operatively in groups for a common outcome during the semester.	1. Communication 2. Crit. Thinking 4. Inter-Intrapersonal skills
b Care for pre and post surgical animals housed in a veterinary facility.	2. Crit. Thinking 3. Prof. Competence 4. Inter-Intrapersonal Skills
c. Work as surgical assistant, monitor anesthesia, expose and process radiographs, administer medications and perform laboratory tests appropriate for a veterinary clinic.	1. Communication 3. Prof. Competence 4. Inter-Intrapersonal Skills
d. Chart medical records perform drug inventories and practice client communication strategies.	1. Communication 3. Prof. Competence
e. Present a clinical case study using presentation software to their faculty and peers	1. Communication

K. TEXTS:

Lab Manual

McCurnin, Dennis M., *Clinical Textbook for Veterinary Technicians*, W.B. Saunders Co., Philadelphia, PA.

L. REFERENCES:

Any text, lab manual or class notes used in previous veterinary science courses.

M. EQUIPMENT:

During the laboratory sessions, students are required to wear either a laboratory coat or a scrub top, appropriate footwear and have a watch with a second hand and calculator

N. GRADING METHOD: Indicate: A – F

O. MEASUREMENT CRITERIA/METHODS:

- Quizzes
- Exam
- Case Study Research Paper
- Case Study Oral Report
- Reflective Paper
- Performance & Recordkeeping of kennel duty

P. DETAILED COURSE OUTLINE:

- I. Emergency Management for the veterinary technician
 - A. Common emergencies encountered in a companion animal practice and initiating first aid as a veterinary technician
(E.g. Trauma, proptosed eye, hyperthermia, hypothermia)
 - B. Common emergencies of a food animal practice and initiating or recommending first aid as a veterinary technician
(E.g. Milk Fever, dystocia, prolapsed uterus)
 - C. Common emergencies of an equine practice and initiating or recommending first aid as a veterinary technician
(E.g. Colic, trauma, wounds and bleeding)
- II. Client Communications
 - A. Personal and Telephone communication skills
 - B. Handling the irate client
 - C. Written communication
- III. Case Study Presentations
 - A. Researching the etiology of disease
 - B. Understanding surgical and/or medical treatment
 - C. Presenting a case-study to peers and faculty
 - D. Answer questions on case- study from class and faculty
- IV. Career exploration for veterinary technicians
 - A. Animal Shelters and Humane Societies
 - B. Government and Public Health
 - C. Research and Pharmaceutical technicians
 - D. Animal rehabilitation and physical therapy
 - E. Wildlife rehabilitation

F. Corporate employment

Q. LABORATORY OUTLINE:

Students rotate through each area twice during the semester

- A. Animal Care and Anesthesiology
 - 1. Daily animal feeding, management and treatments
 - 2. Anesthesia of surgical patients
 - 3. Preparation of surgical site and surgical scrub
 - 4. Dental exams and prophylactic dental cleaning
 - 5. Collect diagnostic samples
 - 6. Recovery of surgical patients

- B. Surgical Assisting
 - 1. Sterile surgical assisting
 - 2. Non-sterile surgical assisting
 - 3. Patient monitoring during surgery
 - 4. Collect diagnostic samples

- C. Imaging
 - 1. Anesthesia of patient
 - 2. Positioning patient for desired radiograph
 - 3. Developing radiographs
 - 4. Troubleshooting problems with radiographs
 - 5. Dental radiology

- D. Office Management
 - 1. Managing medical records
 - 2. Hospital management software
 - 3. Inventory of drugs and supplies
 - 4. Personnel management/ oversight of other groups

- E. Hematology
 - 1. CBC on surgery animals, including the use of automatic hematology & chemistry machines
 - 2. Differential exam on abnormal blood smears
 - 3. Buffy Coat Smear
 - 4. Canine blood typing
 - 5. Blood Crossmatching
 - 6. Filter test for microfilaria

- F. Urinalysis & Parasitology
 - 1. Parasitological exam of surgical animals
 - 2. Parasitological exam of large animals
 - 3. Routine urinalysis of surgical animals
 - 4. Quantitative fecal exam
 - 5. Examination of ear swabs for parasites
 - 6. Examine prepared slide of cytology specimens

10/2007