MASTER SYLLABUS

COURSE NUMBER – COURSE NAME
VSCT 203 – Small Animal Medicine and Therapeutic Techniques

CIP Code: 01.8301
For assistance determining CIP Code, please refer to this webpage
or reach out to Sarah Todd at todds@canton.edu

Created by: Wendy Kuceyeski, DVM
Updated by: Wendy Kuceyeski, DVM

School of Science, Health, and Criminal Justice
Department: Veterinary Science Technology
Semester/Year: Fall 2024
A. TITLE: Small Animal Medicine and Therapeutic Techniques

B. COURSE NUMBER: VSCT 203

C. CREDIT HOURS: (Hours of Lecture, Laboratory, Recitation, Tutorial, Activity)

# Credit Hours: 3
# Lecture Hours: 2 per week
# Lab Hours: 2 per week
Other: per week

Course Length: 15 Weeks

D. WRITING INTENSIVE COURSE: Yes ☐ No ☒

E. GER CATEGORY: None: ☐ Yes: GER

If course satisfies more than one: GER

F. SEMESTER(S) OFFERED: Fall ☒ Spring ☐ Fall & Spring ☐

G. COURSE DESCRIPTION:

This course is designed to introduce the students to many of the common procedures performed by licensed veterinary technicians in a small animal clinical situation. The students will be instructed on many of the common canine and feline diseases and will become familiar with the signs, therapeutic treatments, and methods of prevention. Small animal zoonotic diseases will be discussed to familiarize the students to the topics that veterinary staff are frequently called upon to answer. The students will perform venipuncture and intravenous catheter placements. Other procedures such as cystocentesis, stomach tube placement, blood transfusions, EKG use, and splint application will be demonstrated. Students will anesthetize the animals used in the laboratories so that the skill for that week can be performed. Students will assist with the surgical sterilization of the animals after the lab skills for that week are completed; and will be allowed to assist with the anesthetic monitoring and the recovery of the animals. Students will also be introduced to medical recordkeeping.

H. PRE-REQUISITES: None ☐ Yes ☒ If yes, list below:

VSCT 112, 114, 115

CO-REQUISITES: None ☒ Yes ☐ If yes, list below:

I. STUDENT LEARNING OUTCOMES: (see key below)

By the end of this course, the student will be able to:
<table>
<thead>
<tr>
<th>Course Student Learning Outcome [SLO]</th>
<th>Program Student Learning Outcome [PSLO]</th>
<th>GER [If Applicable]</th>
<th>ISLO &amp; SUBSETS</th>
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</thead>
<tbody>
<tr>
<td>Describe the clinical signs, treatments and preventative measures for some of the common zoonotic diseases.</td>
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<td>5-Ind, Prof, Disc, Know Skills ISLO ISLO</td>
<td>Subsets Subsets Subsets Subsets</td>
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<td>List the common canine and feline diseases, their signs, treatments, and vaccines available.</td>
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<td>Calculate anesthetic drug dosages, fluid therapy amounts, and flow rates.</td>
<td>AVMA #2 Pharmacy and Pharmacology</td>
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<td>Subsets Subsets Subsets Subsets</td>
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<td>Complete all steps for a surgical procedure: IV catheter placement, intubation, prep of patient, surgical assisting, anesthetic monitoring, and recovery.</td>
<td>AVMA #3 Nursing AVMA #5 Surgical Nursing</td>
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**KEY**

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<tr>
<th>ISLO #</th>
<th>Institutional Student Learning Outcomes [ISLO 1 – 5]</th>
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<tbody>
<tr>
<td>1</td>
<td>Communication Skills</td>
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<td>2</td>
<td>Critical Thinking</td>
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<td></td>
<td>Critical Analysis [CA], Inquiry &amp; Analysis [IA], Problem Solving [PS]</td>
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<td>3</td>
<td>Foundational Skills</td>
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<td>Information Management [IM], Quantitative Lit./Reasoning [QTR]</td>
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<td>4</td>
<td>Social Responsibility</td>
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<td></td>
<td>Ethical Reasoning [ER], Global Learning [GL], Intercultural Knowledge [IK], Teamwork [T]</td>
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<td>5</td>
<td>Industry, Professional, Discipline Specific Knowledge and Skills</td>
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</table>

*Include program objectives if applicable. Please consult with Program Coordinator

**J. APPLIED LEARNING COMPONENT:** Yes [x] No [ ]

If YES, select one or more of the following categories:

- Classroom/Lab
- Internship
- Clinical Placement
- Practicum
- Service Learning
- Community Service
- Civic Engagement
- Creative Works/Senior Project
- Research
- Entrepreneurship (program, class, project)

**K. TEXTS:**

N/A

**L. REFERENCES:**


**M. EQUIPMENT:** None [ ] Needed: Scrub set with closed toed shoes; supplies and equipment provided by department; subscription fee for Trajecsys, for tracking essential skill completion.

**N. GRADING METHOD:** A-F

**O. SUGGESTED MEASUREMENT CRITERIA/METHODS:**

- Exams
- Quizzes
- Practical Exam
- Kennel participation

**P. DETAILED COURSE OUTLINE:**

Public Health
Zoonotic Diseases
Canine and Feline Diseases
Vaccines
Renal/Urinary Disorders
Reproductive Disorders
Skin and Otic Disorders
Gastrointestinal Disorders
Musculoskeletal Disorders
Cardiopulmonary Disorders
Ocular Disorders
Dental Disorders
Dentistry
Parasitic Disease
Metabolic Disorders
Immune Mediated Disease
Heartworm Disease
Common Cancers
Neurologic Disorders
Common Toxins
Canine and Feline Reproduction
Fractures/Bandaging/Splinting
Handling Emergencies in the Clinical Setting
Euthanasia
Mental Health Concerns in the Veterinary Field

Q. LABORATORY OUTLINE:  None ☐  Yes ☑

Lab #1 Orientation
Lab #2 The physical eVSxam/EMR
Lab #3 Over-the-needle IV Catheter Placement/Intubation
Lab #4 Anesthetic Monitoring
Lab #5 Aseptic Techniques/Gowning and Gloving
Lab #6 Venipuncture
Lab #7 Butterfly Catheter and SubQ Injections/Fluids
Lab #8 Surgical Packs/Suture
Lab #9 Dentistry
Lab #10 Dentistry
Lab #11 Orogastric/Nasogastric/Urinary Catheter Placement
Lab #12 Ophthalmology/Dermatology/Otic Procedures
Lab #13 ECG/Blood Transfusions/Controlled Substances
Lab #14 Client Communication/Taking a History
Lab #15 Practical Exam