

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



## 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*

*<https://nces.ed.gov/ipeds/cipcode/browse.aspx?y=55>*

*or reach out to Sarah Todd at [todds@canton.edu](mailto:todds@canton.edu)*

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**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:

<u>Course Student Learning Outcome</u> <u>[SLO]</u>	<u>Program Student Learning Outcome</u> <u>[PSLO]</u>	<u>GER</u> <u>[If Applicable]</u>	<u>ISLO &amp; SUBSETS</u>	
Describe the clinical signs, treatments and preventitive measures for some of the common zoonotic diseases.			5-Ind, Prof, Disc, Know Skills ISLO ISLO	Subsets Subsets Subsets Subsets
List the common canine and feline diseases, their signs, treatments, and vaccines available.			5-Ind, Prof, Disc, Know Skills ISLO ISLO	Subsets Subsets Subsets Subsets
Calculate anesthetic drug dosages, fluid therapy amounts, and flow rates.	AVMA #2 Pharmacy and Pharmacology		5-Ind, Prof, Disc, Know Skills ISLO ISLO	Subsets Subsets Subsets Subsets
Complete all steps for a surgical procedure: IV catheter placement, intubation, prep of patient, surgical assisting, anesthetic monitoring, and recovery.	AVMA #3 Nursing AVMA #5 Surgical Nursing		5-Ind, Prof, Disc, Know Skills ISLO ISLO	Subsets Subsets Subsets Subsets
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<b>KEY</b>	<b>Institutional Student Learning Outcomes [ISLO 1 – 5]</b>
<b>ISLO #</b>	<b>ISLO &amp; Subsets</b>
<b>1</b>	<b>Communication Skills</b>

	Oral [O], Written [W]
2	<b>Critical Thinking</b> <i>Critical Analysis [CA], Inquiry &amp; Analysis [IA], Problem Solving [PS]</i>
3	<b>Foundational Skills</b> <i>Information Management [IM], Quantitative Lit./Reasoning [QTR]</i>
4	<b>Social Responsibility</b> <i>Ethical Reasoning [ER], Global Learning [GL], Intercultural Knowledge [IK], Teamwork [T]</i>
5	<b>Industry, Professional, Discipline Specific Knowledge and Skills</b>

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

J. APPLIED LEARNING COMPONENT: Yes  No

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

- |                                                   |                                                        |
|---------------------------------------------------|--------------------------------------------------------|
| <input checked="" type="checkbox"/> Classroom/Lab | <input type="checkbox"/> Civic Engagement              |
| <input type="checkbox"/> Internship               | <input type="checkbox"/> Creative Works/Senior Project |
| <input type="checkbox"/> Clinical Placement       | <input type="checkbox"/> Research                      |
| <input type="checkbox"/> Practicum                | <input type="checkbox"/> Entrepreneurship              |
| <input type="checkbox"/> Service Learning         | (program, class, project)                              |
| <input type="checkbox"/> Community Service        |                                                        |

K. TEXTS:

N/A

L. REFERENCES:

Boyle, (2016) Crow and Walshaw's Manual of Clinical Procedures in Dogs, Cats, Rabbits, & Rodents 4th Edition. Ames, IA: John Wiley & Sons, Inc.

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**