

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



MASTER SYLLABUS

COURSE NUMBER – COURSE NAME

VSCT 204 – Large 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?v=55>

or reach out to Sarah Todd at todds@canton.edu

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Updated by: Sarah Wray, DVM

School of Science, Health, and Criminal Justice

Department: Veterinary Science Technology

Semester/Year: Fall 2024

- A. TITLE: Large Animal Medicine and Therapeutic Techniques
- B. COURSE NUMBER: VSCT 204
- 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:

A course designed to prepare the Veterinary Science student for a role in a large animal veterinary practice. Emphasis will be on restraint and handling, physical exam, and therapeutic methods of the food, fiber, and equine patient. Students will also have an understanding of specialized diagnostics, anesthetic principles, and surgeries associated with these animals. This course also includes discussion on regulatory medicine and its importance to agriculture and public health.

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

VSCT 112, VSCT 114, VSCT 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> [SLO]	<u>Program Student Learning Outcome</u> [PSLO]	<u>GER</u> [If Applicable]	<u>ISLO & SUBSETS</u>

Discuss the purpose of regulatory medicine and the use of regulatory forms.			2-Crit Think 5-Ind, Prof, Disc, Know Skills ISLO	Subsets Subsets Subsets Subsets
Perform a complete physical exam and apply therapeutic techniques for common equine medical issues.	AVMA #3 Nursing; AVMA #5 Surgical Nursing		2-Crit Think 5-Ind, Prof, Disc, Know Skills ISLO	Subsets Subsets Subsets Subsets
Perform a complete physical exam and apply therapeutic techniques for common ruminant medical issues.	AVMA #3 Nursing; AVMA #5 Surgical Nursing		1-Comm Skills 5-Ind, Prof, Disc, Know Skills ISLO	Subsets Subsets Subsets Subsets
Restrain horses, cattle, sheep, goats and poultry.	AVMA #3 Nursing		5-Ind, Prof, Disc, Know Skills ISLO ISLO	Subsets Subsets Subsets Subsets
Explain the function of a veterinary technician during common bovine & equine field surgeries.	AVMA #5 Surgical Nursing		5-Ind, Prof, Disc, Know Skills ISLO ISLO	Subsets Subsets Subsets Subsets
Research a topic in large animal practice and write a case study.			1-Comm Skills ISLO ISLO	Subsets Subsets Subsets Subsets
			ISLO ISLO ISLO	Subsets Subsets Subsets Subsets
			ISLO ISLO ISLO	Subsets Subsets Subsets Subsets
			ISLO ISLO ISLO	Subsets Subsets Subsets Subsets
			ISLO ISLO ISLO	Subsets Subsets Subsets Subsets

KEY	Institutional Student Learning Outcomes [ISLO 1 – 5]
ISLO #	ISLO & Subsets
1	Communication Skills Oral [O], Written [W]
2	Critical Thinking <i>Critical Analysis [CA], Inquiry & Analysis [IA], Problem Solving [PS]</i>
3	Foundational Skills

	<i>Information Management [IM], Quantitative Lit./Reasoning [QTR]</i>
4	Social Responsibility <i>Ethical Reasoning [ER], Global Learning [GL], Intercultural Knowledge [IK], Teamwork [T]</i>
5	Industry, Professional, Discipline Specific Knowledge and Skills

*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:

Holtgrew-Bohling, Large Animal Clinical Procedures for Veterinary Technicians, Elsevier. St. Louis, MO

M. EQUIPMENT: None Needed: Equipment provided by program; overalls/coveralls; high rubber boots.

N. GRADING METHOD: A-F

O. SUGGESTED MEASUREMENT CRITERIA/METHODS:

Quizzes

Exams

Laboratory practical exam

Case study

Laboratory participation

P. DETAILED COURSE OUTLINE:

Introduction to large animal practice

Common medical procedures for all species

Small Ruminant Medicine and Therapeutics

Bovine Medicine and Therapeutics

Surgeries: Displaced Abomasum, C-section, castration, dehorning

Evaluations: Tuberculosis, mastitis, breeding soundness exam (BSE)
Therapies for: Uterine torsion, uterine prolapse, rectal prolapse
Poultry Medicine and Therapeutics
Equine Medicine and Therapeutics
Porcine Medicine and Therapeutics
Obstetrics
Regulatory Medicine
Euthanasia

Q. LABORATORY OUTLINE: None Yes

Lab 1: Safety/lab locations/carpool sign up
Lab 2: Farm tour/nutrition/BCS/Knot tying
Lab 3: Bovine handling (PE, vaccine, venipuncture)
Lab 4: Bovine handling (PE, medical procedures)
Lab 5: Greenwood Dairy Greenwood Dairy 9/27/23
Lab 6: Sheep/Goat handling (PE, hoof trim, restraint, venipuncture)
Lab 7: Sheep/Goat handling (PE, hoof trim, restraint, venipuncture)
Lab 8: Poultry (PE, Handling)
Lab 9: Equine Handling (PE, venipuncture)
Lab 10: Equine Handling (PE, medical procedures)
Lab 11: Lab practical
Lab 12: Equine Radiology
Lab 13: Diagnostic Sampling
Lab 14: Necropsy