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



MASTER SYLLABUS

COURSE NUMBER – COURSE NAME VSCT 207 – Health and Disease of Farm Animals

CIP Code: 01.8301 For assistance determining CIP Code, please refer to this webpage <u>https://nces.ed.gov/ipeds/cipcode/browse.aspx?y=55</u> or reach out to Sarah Todd at <u>todds@canton.edu</u>

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School of Science, Health, and Criminal Justice

Department: Veterinary Science Technology

Semester/Year: Spring 2025

- A. TITLE: Health and Disease of Farm Animals
- B. COURSE NUMBER: VSCT 207
- C. CREDIT HOURS: (Hours of Lecture, Laboratory, Recitation, Tutorial, Activity)

Credit Hours: 2
Lecture Hours: 2 per week
Lab Hours: 0 per week
Other: per week

Course Length: 15 Weeks

- D. WRITING INTENSIVE COURSE: Yes \Box No \boxtimes
- 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 acquaint students with the most common infectious and non-infectious diseases of cattle, horses, sheep, goats, and swine. The causative agent of these diseases will be identified and emphasis will be placed on the care of the animal and the prevention of the disease. Basic discussion of immunology and vaccination theory is also included as well as proper husbandry of these animals and how this relates to the wellbeing of these animals. Diseases of public health importance and zoonotic potential arc also included.

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

VSCT 204 and 214

CO-REQUISITES: None \boxtimes Yes \square If yes, list below:

I. STUDENT LEARNING OUTCOMES: (see key below)

By the end of this course, the student will be able to:

Course Student Learning Outcome	Program Student		<u>ISLO & SUBSETS</u>
<u>[SLO]</u>	<u>Learning</u>	<u>GER</u>	
	<u>Outcome</u>	[<i>If</i>	
	[PSLO]	Applicable]	

Discuss the basic concept and mechanism of immunology and the theory of vaccination	5-Ind, Prof, Disc, Know Skills ISLO ISLO	Subsets Subsets Subsets Subsets
List and discuss common diseases of farm animals	5-Ind, Prof, Disc, Know Skills ISLO ISLO	Subsets Subsets Subsets Subsets
Discuss sanitation, nutrition and housing as it relates to animal health	5-Ind, Prof, Disc, Know Skills ISLO ISLO	Subsets Subsets Subsets Subsets
Discuss the role of both veterinary personnel and the producer in implementing the prevention and/or control of the discussed diseases	5-Ind, Prof, Disc, Know Skills 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 Critical Analysis [CA], Inquiry & Analysis [IA], Problem Solving [PS]
3	Foundational Skills

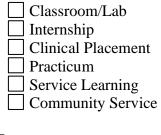
	Information Management [IM], Quantitative Lit,/Reasoning [QTR]
4	Social Responsibility Ethical Reasoning [ER], Global Learning [GL],
	Intercultural Knowledge [IK], Teamwork [T]
5	Industry, Professional, Discipline Specific Knowledge and Skills

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

APPLIED LEARNING COMPONENT: J.

No Yes

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



- Civic Engagement Creative Works/Senior Project

Research

Entrepreneurship

(program, class, project)

K. <u>TEXTS</u>:

N/A

L. REFERENCES:

Merck Veterinary Manual Online https://www.merckvetmanual.com/

Animal and Plant Health Inspection website via United States Department of Agriculture https://www.aphis.usda.gov/aphis/ourfocus/animalhealth

Keeping Livestock Healthy, Haynes. Storey Communications, Inc., Pownal, VT

M. EQUIPMENT: None \boxtimes Needed:

N. GRADING METHOD: A-F

0. SUGGESTED MEASUREMENT CRITERIA/METHODS:

Quizzes

Exams

P. DETAILED COURSE OUTLINE:

Nutritional and Vitamin Deficiencies Bovine Diseases Calving Complications Bovine Abortion and Inherited Diseases Equine Viral Encephalitis Equine Diseases Foaling Complications/Neonatal Diseases Inherited Equine Diseases Diseases in Swine Diseases in Sheep and Goats Diseases of Camelids Honeybee Medicine Skin Diseases in Farm Animals Avian Respiratory Diseases Hoof Diseases in Farm Animals Common Neoplasms in Farm Animals Rabies in Farm Animals Transmissible Spongiform Encephalopathies Reportable Diseases Aquatic Farming Cervid Farming