

**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

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

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

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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 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 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 are also included.

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

VSCT 204 and 214

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 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
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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:

- 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:

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 Needed:

N. GRADING METHOD: A-F

O. 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

Q. LABORATORY OUTLINE: None Yes