

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



MASTER SYLLABUS

COURSE NUMBER – COURSE NAME
VSCT 210 - VETERINARY MICROBIOLOGY

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

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Updated by: Melinda Putney, LVT

School of Science, Health, and Criminal Justice

Department: VETERINARY SCIENCE TECHNOLOGY

Semester/Year: Spring 2025

- A. TITLE: Veterinary Microbiology
- B. COURSE NUMBER: VSCT 210
- C. CREDIT HOURS: (Hours of Lecture, Laboratory, Recitation, Tutorial, Activity)

Credit Hours: 1
 # Lecture Hours: 1 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 consists of the study of pathogenic organisms encountered in animals and the diseases that they cause. Enrollment is limited to students in the veterinary technology programs

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

BIOL 209, VSCT 112, VSCT 202, VSCT 203

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 & SUBSETS</u>
a. Examine pathogenic traits of bacteria and host defenses as both relate to the etiology of disease.			2-Crit Think 5-Ind, Prof, Disc, Know Skills ISLO Subsets Subsets Subsets Subsets

Discuss bacterial pathogens of domestic animals and the diseases they cause.			5-Ind, Prof, Disc, Know Skills ISLO ISLO	Subsets Subsets Subsets Subsets
Discuss viruses, systemic mycosis, and prions and the veterinary diseases they cause.			5-Ind, Prof, Disc, Know Skills ISLO ISLO	Subsets Subsets Subsets Subsets
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KEY	<u>Institutional Student Learning Outcomes [ISLO 1 – 5]</u>
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>

*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 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:

Veterinary Microbiology laboratory manual

L. REFERENCES:

Laboratory Procedures for Veterinary Technicians, Hendrix & Sirois, Sixth Edition, Mosby, St. Louis, MO

M. EQUIPMENT: None **Needed**: Equipment and supplies provided by the program.

N. GRADING METHOD: A-F

O. SUGGESTED MEASUREMENT CRITERIA/METHODS:

P. DETAILED COURSE OUTLINE:

Review of Microbiology and essential AVMA skills

Pathogens of the skin and wounds

Pathogens of the eye and ear

Pathogens of the gastrointestinal tract

Pathogens of the urinary tract

Pathogens of the reproductive tract

Pathogens of the CNS

Pathogens causing systemic disease

Q. LABORATORY OUTLINE: None Yes