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

Created by: Melinda Putney, LVT
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:

<table>
<thead>
<tr>
<th>Course Student Learning Outcome [SLO]</th>
<th>Program Student Learning Outcome [PSLO]</th>
<th>GER [Applicable]</th>
<th>ISLO &amp; SUBSETS</th>
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<tbody>
<tr>
<td>a. Examine pathogenic traits of bacteria and host defenses as both relate to the etiology of disease.</td>
<td></td>
<td>2-Crit Think 5-Ind, Prof, Disc, Know Skills ISLO</td>
<td>Subsets Subsets Subsets Subsets</td>
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<tr>
<td>ISLO #</td>
<td>Communication Skills</td>
<td>Critical Thinking</td>
<td>Foundational Skills</td>
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<td>1</td>
<td>Oral [O], Written [W]</td>
<td>Critical Analysis [CA], Inquiry &amp; Analysis [IA], Problem Solving [PS]</td>
<td>Information Management [IM], Quantitative Lit./Reasoning [QTR]</td>
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</table>

**5-Ind. Prof, Disc, Know Skills Subsets**

**ISLO & Subsets**
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 ☐ Civic Engagement
☐ Internship ☐ Creative Works/Senior Project
☐ Clinical Placement ☐ Research
☐ Practicum ☐ Entrepreneurship
☐ Service Learning (program, class, project)
☐ 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 ☐